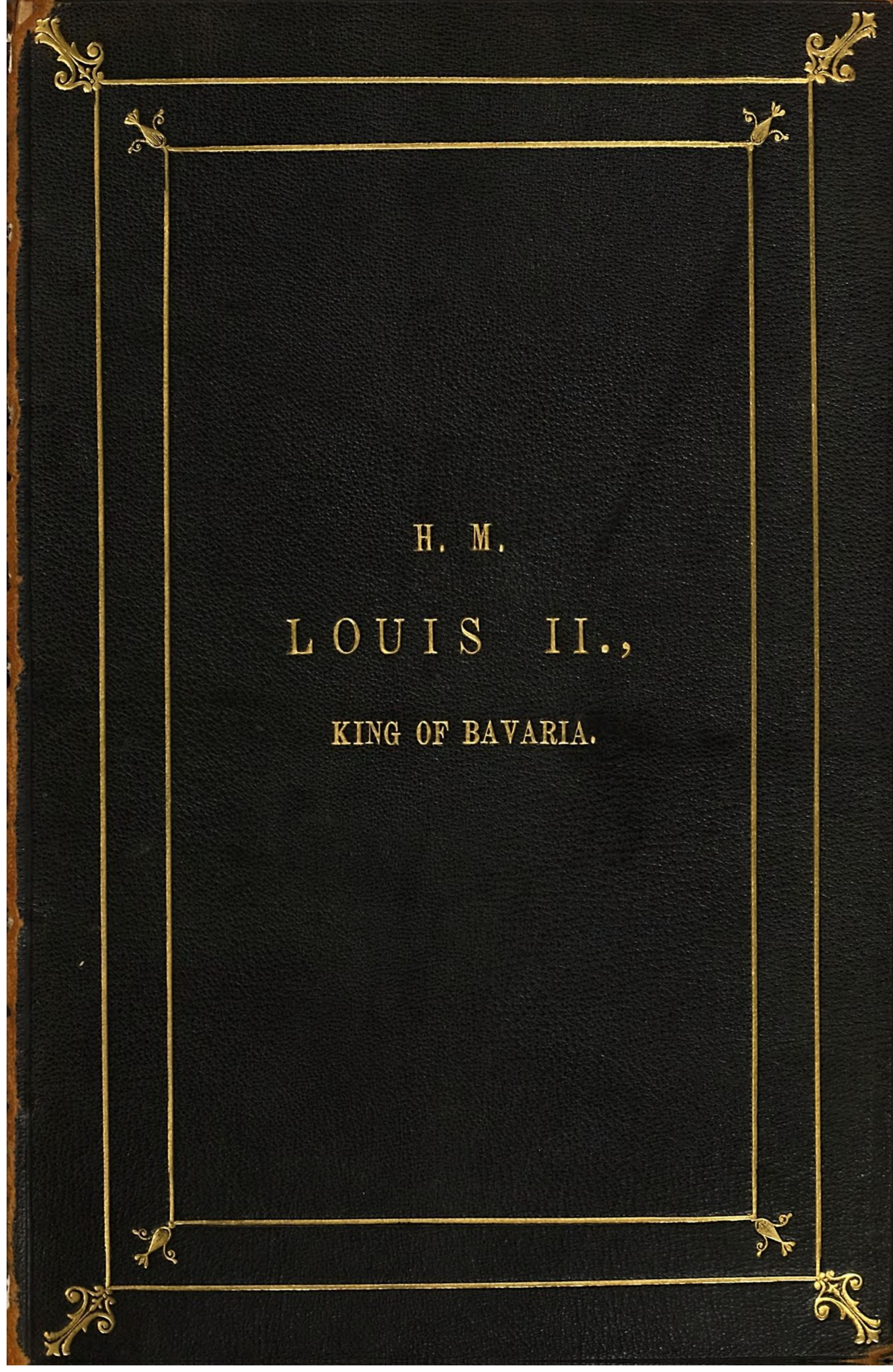




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MELBOURNE INTERNATIONAL EXHIBITION,

1880-1881.



OFFICIAL RECORD

CONTAINING

INTRODUCTION

HISTORY OF EXHIBITION

DESCRIPTION OF EXHIBITION AND EXHIBITS

OFFICIAL AWARDS OF COMMISSIONERS

AND

CATALOGUE OF EXHIBITS.

PUBLISHED BY THE AUTHORITY OF THE COMMISSIONERS.

Melbourne:

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1882.

P R E F A C E

ERRATUM.

THE following should have appeared under Jury IV., page 40:—The award of a First Order of Merit given by the Jury to the exhibit of the Art-Union of Victoria could not be confirmed by the Committee upon Juries and Awards, inasmuch as the exhibit was not entered in time, according to the regulations.

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VICTORIA.



ANNO QUADRAGESIMO SECUNDO

VICTORIÆ REGINÆ.

No. DCXIX.

An Act to provide for the holding of Victorian Exhibitions.

[14th November, 1878.]

WHEREAS it is desirable to hold public exhibitions of works of industry and art: And whereas it is also desirable that suitable buildings and grounds be provided for such purposes: And whereas it is expedient that commissioners should be appointed to carry out and superintend such exhibitions, and that trustees be appointed for such buildings and grounds: Be it therefore enacted by the Queen's Most Excellent Majesty by and with the advice and consent of the Legislative Council and the Legislative Assembly of Victoria in this present Parliament assembled and by the authority of the same as follows (that is to say):—

1. This Act shall be called and may be cited as "*The Victorian Exhibitions Act 1878*" and shall be read and construed as one Act with "*The Exhibitors Protection Act 1872*."

2. The Governor in Council may from time to time appoint or remove such persons as he may think fit to be Exhibition Commissioners one of whom he shall appoint to be president. Subject to the provisions of this Act such commissioners shall carry out and superintend any public exhibition of works of industry and art authorised to be held in accordance with the provisions of "*The Exhibitors Protection Act 1872*" and for which they may be appointed to be or act as commissioners. Provided that no commission for the holding of any exhibition shall remain in force for more than three years. The commissioners for any exhibition shall for the purposes of this Act be a body politic and corporate by the name of "Exhibition Commissioners" and shall by that name have succession until the purposes for which they have been or shall be appointed respectively shall have been carried out and all claims demands and suits by or upon or against them in such their corporate character shall have been satisfied, and shall have a common seal and shall by the same name sue and be sued plead and be impleaded answer and be answered unto in all courts and places whatsoever and shall have power to compound or to prove in any competent court all debts due to them.

3. Unless otherwise directed by the Governor in Council such commissioners shall take all measures necessary for providing erecting altering and maintaining the buildings and premises required for any exhibition for which they may be appointed commissioners, and for securing and obtaining the most effective display of all articles received for public exhibit: Provided that plans and specifications together with an estimate of cost for the erection of the original building shall be first submitted to Parliament and shall receive the approval of the Governor in Council.

4. The commissioners for any exhibition or a majority of them at any general meeting assembled shall have power from time to time to make repeal alter and re-enact such rules and regulations as they may think fit for the purpose of providing for—

- (I.) The conduct of their own proceedings:
- (II.) The due management of the affairs of the exhibition in its several departments:
- (III.) The temporary admission or exclusion of the public or any individual to and from the exhibition or buildings or grounds or any part thereof and the behaviour to be observed therein:
- (IV.) The sum to be demanded and paid for admission to the exhibition or buildings or grounds or any part thereof, and the manner in which all moneys received by the commissioners shall be applied: and
- (V.) The purposes of public instruction enjoyment or entertainment for which any buildings or grounds or any part thereof may be used and applied.

And all such rules and regulations shall be signed by the president and submitted for the approval of the Governor in Council, and if approved they shall be published in the *Government Gazette*, and until such publication such rules and regulations shall not have any operation; and every person who shall be guilty of a breach or contravention of any such rules or regulations shall on conviction thereof be liable to a penalty not exceeding Ten pounds.

5. A public exhibition of works of industry and art shall be held in Melbourne in the year One thousand eight hundred and eighty, and the commissioners appointed to carry out such exhibition shall have the exclusive control of all matters whatsoever connected with the said exhibition until the thirtieth day of September One thousand eight hundred and eighty-one and no longer.

6. Subject to the conditions contained in any regulations which may from time to time be made by the Governor in Council and published in the *Government Gazette* and on receiving a statutory declaration from any importer exhibitor or his agent of his intention to exhibit any article specified in such declaration at any public exhibition within the meaning of this Act it shall be lawful for the Commissioner of Customs by order under his hand to authorise the admission into Victoria by land or sea without payment of any duties of Customs of any such articles so intended as exhibits at any such public exhibition.

7. The Governor in Council may from time to time appoint or remove persons to be trustees for the purposes of this Act: Provided that the number of trustees at any time shall not exceed seven, of whom one shall be the mayor for the time being of the city of Melbourne, and one other shall be such member for the time being of the Council of the said city as the said Council may from time to time elect to be trustee for any period not longer than one year; but if the said mayor for the time being shall fail or refuse to act as a trustee the Governor in Council may from time to time appoint any other person to be trustee instead of such mayor, and if the said Council shall at any time fail to elect any member thereof to be a trustee, or if any member elected shall fail or refuse to act as trustee, the Governor in Council may at any time after such failure to elect, or failure or refusal to act, appoint any person to be a trustee: Provided also that during the time or period for which any commissioners may be appointed to act in respect of any public exhibition such commissioners unless otherwise directed by the Governor in Council shall have the exclusive control of all lands buildings and premises held by such trustees, and such commissioners shall exercise all the powers conferred on them by this Act, and neither shall such commissioners nor shall any lands buildings or premises used in connection with any exhibition carried out and superintended by such commissioners be interfered with in any respect whatever by such trustees.

8. No power authority act or proceeding of any trustees or commissioners appointed under the provisions of this Act shall be invalidated or be illegal in consequence only of the whole number of trustees not being filled up or of there being any vacancy in the number of such trustees or commissioners as the case may be at the time of the exercise doing or execution of any such power authority act or proceeding.

9. The trustees appointed under the provisions and for the purposes of this Act shall be a body politic and corporate by the name of "The Exhibition Trustees," and shall by that name have perpetual succession and shall adopt and have a common seal, and shall by the same name sue and be sued plead and be impleaded answer and be answered unto in all courts and places whatsoever, and shall have power to compound or to prove in any competent court all debts due to them.

10. The majority of the trustees for the time being at any general meeting assembled shall have power from time to time to make repeal alter and re-enact such rules and regulations as they may think fit for the purpose of providing for—
(I.) The conduct of their own proceedings:
(II.) The due management of the affairs of the corporation in its several departments and the manner in which all moneys received by the trustees shall be applied:

And when there are no commissioners in existence under this Act—

- (III.) The use and terms to and on which the buildings or grounds or any part thereof may be applied:
- (IV.) The temporary admission or exclusion of the public or any individual to and from the buildings or grounds or any part thereof and the behaviour to be observed therein:
- (V.) The sum to be demanded and paid for admission to the buildings or grounds or any part thereof.

And all such rules and regulations shall be reduced into writing, and the common seal of the corporation having been affixed thereto shall be submitted for the approval of the Governor in Council, and if approved they shall be published in the *Government Gazette*, and until such publication such rules and regulations shall not have any operation; and every person who shall be guilty of a breach or contravention of any such rules or regulations shall on conviction thereof be liable to a penalty not exceeding Ten pounds.

11. The said trustees and any commissioners appointed under this Act shall respectively
 Annual report. on or before the thirtieth day of September in every year report the
 No. 357 s. 7. proceedings of the said corporation or commissioners as the case may be
 No. 86. during the previous financial year to the Chief Secretary, and such report
 or commissioners duly audited by the Commissioners of Audit, and a copy of every such
 report and all rules or regulations made under this Act shall be laid in each year before
 Parliament.

12. The expenses of providing or erecting buildings and premises for the said exhibition
 Expenses of to be holden in the year One thousand eight hundred and eighty and
 buildings and of securing and obtaining the most effective display of all articles received
 exhibitions. for public exhibit and of the carrying out of the provisions of this Act shall be
 Surplus. defrayed out of the moneys to be provided by Parliament therefor: Provided
 Audit report that there are any surplus proceeds from any source whatever in respect of such
 exhibition or any future exhibition for which any appropriation of revenue may at any time
 be made, such surplus proceeds shall be forthwith paid into the Consolidated Revenue.

13. As to the land described in the First Schedule hereto, the Order in Council dated the
 Permanent ninth day of June One thousand eight hundred and seventy-three by which
 reservation of certain land in the parish of Jika Jika at Carlton was reserved from sale
 land at Carlton permanently and the grant of such land dated the thirteenth day of June in
 and Crown grant said year for certain purposes therein named to the Board of Land and Works
 thereof con- and to the mayor aldermen councillors and citizens of the city of Melbourne
 firmed. and to their successors, and the enrolment of the record of such grant and the
 Schedule. release dated the sixteenth day of September in said year of certain exemptions
 Vide "*Govern- reservations and provisoes contained in said grant and also the enrolment of*
 ment Gazette," said release, shall be and the same are hereby declared to be respectively valid
 13th June, 1873, to all intents and purposes anything in any Act to the contrary notwith-
 p. 1058. standing but subject to the provisions hereinafter contained as to the disposal
 Register book of a portion of said land.
 No. 600, fols. 119,
 905.

14. The said land shall be used for the public exhibition of One thousand eight hundred
 Land to be used and eighty hereinbefore mentioned, and the commissioners appointed to act in
 for purposes of respect of such exhibition shall have the exclusive possession and control of the
 exhibition of said land until the thirtieth day of September in the year One thousand eight
 1880 under sole hundred and eighty-one, and neither the Board of Land and Works nor the
 control of com- mayor aldermen councillors and citizens of the city of Melbourne shall
 missioners until interfere with such commissioners nor with the control of the said land in any
 30th September, respect before the said date; and after the said thirtieth day of September One
 1881, and after- thousand eight hundred and eighty-one that portion of the said land described
 wards to revest in present trust save land de- in the Second Schedule hereto shall be in and under the exclusive possession
 scribed in Second and control of the Exhibition Trustees hereinbefore mentioned for the purposes
 Schedule. of future public exhibitions and of general public instruction and recreation,
 Second Schedule. and the remaining portion of the said land shall be restored to the joint
 possession of the Board of Land and Works and the mayor aldermen councillors and citizens
 of the city of Melbourne to be held and enjoyed under the grant hereinbefore mentioned:

Provided always that the public shall be deprived only upon any special and temporary occasions for which the said Exhibition Trustees shall receive the approval of the Governor in Council of the right of free ingress and egress as foot passengers only to and from the grounds around the buildings on such land described in the Second Schedule hereto.

Provided also that so often as the land mentioned in the Second Schedule shall be required for the purposes of a public exhibition of the character hereinbefore mentioned the Commissioners to be appointed for every such exhibition shall have the sole control of the said land and the buildings thereon whilst such exhibition may continue.

Provided also that nothing in this section contained shall be deemed to divest the Board of Land and Works and the mayor aldermen councillors and citizens of the city of Melbourne of the legal estate of such land described in the Second Schedule hereto.

SCHEDULES.

FIRST SCHEDULE.

CARLTON GARDENS.

Sixty-three acres more or less, county of Bourke, parish of Jika Jika, city of Melbourne, at
 Section 13. Carlton: Commencing at the north-east angle of the land, being the junction
 of the south side of Carlton-street with the west side of Nicholson-street;
 bounded thence by Carlton-street bearing west 17 chains 77 links more or less to Rathdowne-
 street; thence by that street bearing south to Victoria-street; thence by that street and by
 Victoria-parade bearing east to Nicholson-street aforesaid; and thence by that street bearing
 north to the point of commencement.

SECOND SCHEDULE.

EXHIBITION SITE.

Twenty acres two roods four perches, county of Bourke, parish of Jika Jika, city of
 Section 14. Melbourne, at Carlton: Commencing at a point on the east side of Rathdowne-
 street bearing north 761 feet from its intersection with the north side of
 Victoria-street; bounded thence by the first named street bearing north 759 feet; thence by a
 line bearing east 1178 feet to Nicholson-street; thence by that street bearing south 759 feet;
 and thence by a line bearing west 1178 feet to the point of commencement.

In pursuance of the provisions of the above Act of Parliament, the following Commission was
 issued in the month of March, 1879, and subsequent additions were made from time to
 time:—

MELBOURNE INTERNATIONAL EXHIBITION, 1880.

COMMISSION.

By His Excellency the Most Honourable George Augustus Constantine, Marquis of Normanby,
 Earl of Mulgrave, Viscount Normanby, and Baron Mulgrave of Mulgrave, all in the
 County of York, in the Peerage of the United Kingdom; and Baron Mulgrave of New
 Ross, in the County of Wexford, in the Peerage of Ireland; a Member of Her Majesty's
 Most Honourable Privy Council; Knight Grand Cross of the Most Distinguished Order of
 Saint Michael and Saint George; Administrator of the Government of the Colony of
 Victoria, &c., &c., &c.

To the Hon. William John Clarke, M.L.C.
 The Hon. James Joseph Casey, C.M.G., M.P.
 The Hon. James Munro, M.P., J.P.
 The Hon. Sir Bryan O'Loughlen, Bart., M.P.,
 Attorney-General, &c., of the Colony of
 Victoria.
 The Hon. Sir George F. Verdon, K.C.M.G.,
 C.B., F.R.S.
 The Hon. Sir Samuel Wilson, M.L.C.
 The Hon. Graham Berry, M.P., Chief Secretary
 of the said Colony.
 The Hon. James Macpherson Grant, M.P.,
 Minister of Justice of the said Colony.
 The Hon. Major William Collard Smith, M.P.,
 Minister of Mines, and Minister of Public
 Instruction, &c., of the said Colony.
 The Hon. John Woods, M.P., Commissioner
 of Railways of the said Colony.

The Hon. Francis Longmore, M.P., President
 of the Board of Land and Works, and
 Commissioner of Crown Lands and Survey
 of the said Colony.
 The Hon. Jas. Brown Patterson, M.P., Com-
 missioner of Public Works, &c., of the said
 Colony.
 The Hon. Peter Lalor, M.P., Commissioner
 of Trade and Customs of the said Colony.
 The Hon. Henry Cuthbert, M.L.C.
 The Hon. John Cumming, M.L.C.
 The Hon. Caleb Joshua Jenner, M.L.C.
 The Hon. Robert Dyce Reid, M.L.C.
 The Hon. William Wilson, M.L.C.
 The Hon. Sir Charles Gavan Duffy, K.C.M.G.,
 Speaker of the Legislative Assembly of the
 said Colony.
 John Andrew, Esq., M.P.

Henry Bell, Esq., M.P.
 George Billson, Esq., M.P., J.P.
 Joseph Bosisto, Esq., M.P., J.P.
 Robert Bowman, Esq., M.P.
 Alfred Thomas Clark, Esq., M.P., J.P.
 Edward John Dixon, Esq., M.P., J.P.
 John L. Dow, Esq., M.P.
 Jeremiah Dwyer, Esq., M.P.
 James Fergusson, Esq., M.P., J.P.
 George Randall Fincham, Esq., M.P.
 James H. Graves, Esq., M.P.
 Thomas Hunt, Esq., M.P., J.P.
 Robert de Bruce Johnstone, Esq., M.P., J.P.
 George D. Langridge, Esq., M.P., J.P.
 John Laurens, Esq., M.P., J.P.
 James Mirams, Esq., M.P., J.P.
 John Nimmo, Esq., M.P., J.P.
 William Joseph O'Hea, Esq., M.P.
 John Orr, Esq., M.P., J.P.
 Richard Richardson, Esq., M.P., J.P.
 Alexander Kennedy Smith, Esq., M.P., C.E., J.P.
 Joseph Story, Esq., M.P., J.P., Mayor of the City of Melbourne
 Ephraim Lamien Zox, Esq., M.P., J.P.
 The Hon. Samuel Henry Bindon.
 The Hon. Thomas Loader, J.P.
 The Hon. William Mountford Kinsey Vale, J.P.
 Joseph Aarons, Esq., J.P., a Member of the Council of the City of Melbourne.
 Richard Bowen, Esq., J.P., a Member of the Council of the City of Melbourne.
 John M'Ilwraith, Esq., J.P., a Member of the Council of the City of Melbourne.
 Thomas O'Grady, Esq., J.P., a Member of the Council of the City of Melbourne.
 John Pigdon, Esq., J.P., a Member of the Council of the City of Melbourne.
 Robert Richardson, Esq., a Member of the Council of the City of Melbourne.
 Joseph Anderson Panton, Esq., P.M.
 John Buncle, Esq., J.P.
 James Dallas, Esq.
 John Danks, Esq.
 George E. Douglas, Esq.

William Gillbee, Esq., M.R.C.S.E.
 William Gray, Esq.
 John Halfey, Esq., J.P.
 William Bushby Jones, Esq., J.P.
 Edmund Keogh, Esq., J.P.
 Robert Knaggs, Esq., J.P., M.R.C.S.E.
 George Lansell, Esq.
 Alexander Marks, Esq., J.P.
 L. L. Mount, Esq.
 David Munro, Esq.
 William E. Murphy, Esq.
 John Owen, Esq.
 J. A. Reid, Esq.
 D. C. Sterry, Esq.
 William Kerr Thomson, Esq., J.P.
 William Williams, Esq., J.P.
 E. A. Wynne, Esq.
 William R. Yeomans, Esq.
 John Zevenboom, Esq., J.P.
 Louis Thoneman, Esq., Consul for Austro-Hungary.
 Gustav Beckx, Esq., Consul-General for Belgium.
 Jonathan Binns Were, Esq., Consul for Brazil, Chili, Denmark, Peru, Sweden and Norway, and Consul-General for Portugal.
 Charles Fauconnet, Esq., Consul for France.
 William Alexander Brahe, Esq., Consul for the German Empire.
 George N. Oakley, Esq., Consul for Hawaii.
 Henri J. Hart, Esq., Vice-Consul for Italy.
 Chev. Daniel Ploos van Amstel, Vice-Consul for the Netherlands.
 Thomas Charles Napier Cooper, Esq., Consul for Portugal.
 James Damyon, Esq., Consul for Russia.
 Robert Murray Smith, Esq., M.P., Vice-Consul for Spain.
 Guillaume de Pury, Esq., Consul for the Swiss Confederation.
 O. M. Spencer, Esq., Consul-General for the United States.
 Samuel Perkins Lord, Esq., Vice-Consul General for the United States; and
 Samuel M. Gibbs, Esq., Consul for Venezuela.

Greeting—

WHEREAS, by a Commission under the hand of His Excellency Sir George Ferguson Bowen, Knight Grand Cross of the Most Distinguished Order of St. Michael and St. George, Governor and Commander-in-Chief in and over the Colony of Victoria and its Dependencies, and Vice-Admiral of the same, &c, &c., &c., and the Seal of the Colony of Victoria, dated the second day of September, in the year of our Lord One thousand eight hundred and seventy-eight, by virtue of the power and authority vested in him by the Act of Parliament No. 422, certain of you were constituted and appointed Commissioners to take measures for the holding of an International Exhibition of Works of Industry and Art at Melbourne, in the month of October, in the year of our Lord One thousand eight hundred and eighty: And whereas by an Act to provide for the holding of Victorian Exhibitions styled "*The Victorian Exhibitions Act 1878*," which Act came into operation on the eighteenth day of November, in the year of our Lord One thousand eight hundred and seventy-eight, it is provided that a Public Exhibition of Works of Industry and Art shall be held in Melbourne in the year of our Lord One thousand eight hundred and eighty: And whereas it is further provided by the said last-mentioned Act that the Governor-in-Council may from time to time appoint or remove such persons as he may think fit to be Exhibition Commissioners for carrying out the said Public Exhibition of Works of Industry and Art, and that on such appointment such Commissioners shall, for the purposes of the said last-mentioned Act, be a body politic and corporate by the name of "Exhibition Commissioners": Know ye that, by the power and authority vested in me by the said last-mentioned Act, I, the Administrator of the Government of the Colony of

Victoria aforesaid, with the advice of the Executive Council thereof, relying on your loyalty, integrity, learning, and ability, have constituted and appointed, and by these presents do constitute and appoint you, the said William John Clarke, James Joseph Casey, James Munro, Sir Bryan O'Loughlen, Sir George F. Verdon, Sir Samuel Wilson, Graham Berry, James Macpherson Grant, William Collard Smith, Francis Longmore, James Brown Patterson, John Woods, Peter Lalor, Henry Cuthbert, John Cumming, Caleb Joshua Jenner, Robert Dyce Reid, William Wilson, Sir Charles Gavan Duffy, John Andrew, Henry Bell, George Billson, Joseph Bosisto, Robert Bowman, Alfred Thomas Clark, Edward John Dixon, John L. Dow, Jeremiah Dwyer, James Fergusson, George Randall Fincham, James H. Graves, Thomas Hunt, Robert de Bruce Johnstone, George D. Langridge, John Laurens, James Mirams, John Nimmo, William Joseph O'Hea, John Orr, Richard Richardson, Alexander Kennedy Smith, Joseph Story, Ephraim Lamen Zox, Samuel Henry Bindon, Thomas Loader, William Mountford Kinsey Vale, Joseph Aarons, Richard Bowen, John M'Ilwraith, Thomas O'Grady, John Pigdon, Robert Richardson, Joseph Anderson Panton, John Buncl, James Dallas, John Danks, George E. Douglas, William Gillbee, William Gray, John Halfey, William Bushby Jones, Edmund Keogh, Robert Knaggs, George Lansell, Alexander Marks, L. L. Mount, David Munro, William E. Murphy, John Owen, J. A. Reid, D. C. Sterry, William Kerr Thomson, William Williams, E. A. Wynne, William R. Yeomans, John Zevenboom, Louis Thoneman, Gustave Beckx, Jonathan Binns Were, Charles Fauconnet, William Alexander Brahe, George N. Oakley, Henri J. Hart, Daniel Ploos van Amstel, Thomas Charles Napier Cooper, James Damyon, Robert Murray Smith, Guillaume de Pury, O. M. Spencer, Samuel Perkins Lord, and Samuel M. Gibbs, to be Commissioners to carry out and superintend the said Public Exhibition of Works of Industry and Art to be held in Melbourne in the year of our Lord One thousand eight hundred and eighty, now known and called "The Melbourne International Exhibition, 1880," and for the erecting, altering, and maintaining of suitable grounds and buildings for the purposes of such Exhibition, you keeping the entire control and management thereof until otherwise determined, and for appointing and regulating the charges for admission to such buildings, premises, or grounds, or the rent or hire of any part thereof or otherwise, and the application of the proceeds towards the objects and the expenses of the said Exhibition; and for appointing the purposes of public enjoyment and entertainment for which such buildings, premises, and grounds, or any part thereof, may be used and applied; and for obtaining such exhibits as may, in your judgment, be necessary to illustrate the progress of industry and art elsewhere, and for securing the most effective display of all articles sent for public exhibition, their safe custody, their due return to their owners, or their disposal otherwise, as may be arranged; and for determining as to the nature, number, and value of the prizes to be awarded to the exhibitors and the impartial distribution thereof; and generally to do and execute all other matters and things whatsoever deemed necessary by you for the full accomplishment of the duties entrusted to you by this Commission: And further, I do hereby, with the advice aforesaid, constitute and appoint you, the said William John Clarke, to be President; and you, the said James Joseph Casey, James Munro, Sir Bryan O'Loughlen, Sir George F. Verdon, and Sir Samuel Wilson, to be the Vice-Presidents of this Commission. And lastly, with the advice aforesaid, I do, by these presents, ordain that this Commission shall continue in full force and virtue until otherwise determined, and that you, the said Commissioners, or any seven or more of you, shall and may from time to time, and at any place or places, proceed in the execution thereof, and of every matter and thing therein contained, although your proceedings may not be continued from time to time by adjournment.

Given under my Hand and Seal of the Colony, at Melbourne, in the said Colony, this twentieth day of March, in the year of our Lord One thousand eight hundred and seventy-nine, and in the forty-second year of Her Majesty's reign.

(L.S.)

NORMANBY.

By His Excellency's Command,

BRYAN O'LOUGHLEN, Acting Chief Secretary.

MELBOURNE INTERNATIONAL EXHIBITION, 1880.

The Governor, with the advice of the Executive Council, has been pleased to appoint

The Right Honourable Viscount Canterbury,

" " Hugh C. E. Childers, M.P.,

Sir Henry Barkly, K.C.B., G.C.M.G.,

Colonel Charles Pasley, R.E.,

Daniel Grant, Esq.,

to be additional Members of the Commission appointed on 20th March last to carry out and superintend the Melbourne International Exhibition, 1880.

GRAHAM BERRY, Chief Secretary.

Chief Secretary's Office, Melbourne, 7th July, 1879.

MELBOURNE INTERNATIONAL EXHIBITION, 1880.

The Governor, with the advice of the Executive Council, has been pleased to appoint
 John Inglis, Esq.,
 Alfred Taddy Thomson, Esq.,
 John Badcock, Esq.,
 The Honourable Howard Spensley,
 Albert Lee Tucker, Esq., M.P.,
 to be additional Members of the Commission appointed on the 20th March last to carry out
 and superintend the Melbourne International Exhibition, 1880.

GRAHAM BERRY, Chief Secretary.

Chief Secretary's Office, Melbourne, 11th August, 1879.

MELBOURNE INTERNATIONAL EXHIBITION, 1880.

Secretary to Commission.

The Governor, with the advice of the Executive Council, has been pleased to confirm the
 appointment by the International Exhibition Commissioners of
 George Collins Levey, Esq., C.M.G.,
 as Secretary to the Commission.

GRAHAM BERRY, Chief Secretary.

Chief Secretary's Office, Melbourne, 11th August, 1879.

MELBOURNE INTERNATIONAL EXHIBITION, 1880.

The Governor, with the advice of the Executive Council, has been pleased to appoint
 George Meares, Esq., J.P., Mayor of Melbourne,
 Chev. Alessandro de Goyzueta, Marquis of Toverena, Consul for Italy,
 to be additional Members of the Commission appointed on the 20th March last to carry out
 and superintend the Melbourne International Exhibition, 1880.

GRAHAM BERRY, Chief Secretary.

Chief Secretary's Office, Melbourne, 11th November, 1879.

MELBOURNE INTERNATIONAL EXHIBITION, 1880.

The Governor, with the advice of the Executive Council, has been pleased to appoint
 George Henry Frederick Webb, Esq., Q.C.,
 Thomas P. Fallon, Esq., J.P.
 Henry L. Galbraith, Esq.,
 Harry Upton Alcock, Esq.,
 to be additional Members of the Commission appointed on the 20th March last to carry out
 and superintend the Melbourne International Exhibition, 1880.

GRAHAM BERRY, Chief Secretary.

Chief Secretary's Office, Melbourne, 12th January, 1880.

MELBOURNE INTERNATIONAL EXHIBITION, 1880.

The Governor, with the advice of the Executive Council, has been pleased to appoint the
 undermentioned gentlemen to be additional Members of the Commission appointed on the
 20th March, 1879, to carry out and superintend the Melbourne International Exhibition of
 1880, viz.:—

The Hon. Thomas F. Hamilton, M.L.C.
 The Hon. James Lorimer, M.L.C., J.P.
 The Hon. Sir Chas. MacMchon, M.P.
 Robert Harper, Esq., M.P.
 Joseph Harris, Esq., M.P., J.P.
 Andrew Lyell, Esq., M.P.
 Thompson Moore, Esq., M.P., J.P.
 John McIntyre, Esq., M.P.
 H. R. Williams, Esq., M.P.
 Charles Young, Esq., M.P.
 The Hon. William Bayles, J.P.
 The Hon. Edward Langton, J.P.
 John Benn, Esq.
 Cuthbert R. Blakett, Esq.
 Charles E. Bright, Esq., J.P.
 Thomas C. Brooke, Esq., J.P.

Daniel Brophy, Esq.
 Frederick Call, Esq., P.M.
 Paul De Castella, Esq.
 R. L. J. Ellery, Esq., F.R.S., F.R.A.S.
 Cornelius J. Ham, Esq., J.P.
 Patrick Hanna, Esq., J.P.
 Clement Hodgkinson, Esq., J.P.
 William Essington King, Esq., J.P.
 L. Kong Meng, Esq.
 Hugh Lennon, Esq.
 Louis L. Lewis, Esq.
 Josiah Mitchell, Esq.
 William M'Culloch, Esq., J.P.
 William Rigg, Esq.
 E. Steinfeld, Esq., J.P.
 John Wilks, Esq., J.P.

Thomas Swallow, Esq., J.P.
 William Thomson, Esq., J.P., F.R.C.S.
 Lloyd Tayler, Esq.
 Professor Fredk. M'Coy, J.P.
 S. W. M'Gowan, Esq.
 James Smith, Esq.
 The Hon. T. T. A'Beckett, J.P.
 The Hon. Thomas Bent, M.P., J.P.

The Hon. Robert Clark, M.P.
 P. B. Wallace, Esq., M.P.
 Baron Ferd. von Mueller, K.C.M.G.
 B. G. Davies, Esq.
 Henry Creswick, Esq., J.P.
 Vernon Delves-Broughton, Esq.
 Archibald Fiskien, Esq., J.P.

ROBERT RAMSAY, Chief Secretary.

Chief Secretary's Office, Melbourne, 9th April, 1880.

MELBOURNE INTERNATIONAL EXHIBITION, 1880.

The Governor, with the advice of the Executive Council, has accepted the resignation of
 The Honourable Sir Charles Gavan Duffy, K.C.M.G.,
 as a Member of the Commission appointed on the 20th March last, to carry out and
 superintend the Melbourne International Exhibition of 1880.

GRAHAM BERRY, Chief Secretary.

Chief Secretary's Office, Melbourne, 2nd February, 1880.

The Governor in Council has accepted the resignations of
 Joseph Aarons, Esq.,
 Jeremiah Dwyer, Esq.,
 as Members of the Commission appointed on the 20th of March last, to carry out and
 superintend the Melbourne International Exhibition, 1880.

ROBERT RAMSAY, Chief Secretary.

Chief Secretary's Office, Melbourne, 9th April, 1880.

MELBOURNE INTERNATIONAL EXHIBITION, 1880.

Resignation.

The Governor, with the advice of the Executive Council, has accepted the resignation of
 Chev. Alessandro de Goyzueta, Marquis of Toverena, Consul for Italy,
 as a Member of the Commission appointed on the 20th March, 1879, to carry out and
 superintend the Melbourne International Exhibition of 1880.

ROBERT RAMSAY, Chief Secretary.

Chief Secretary's Office, 31st May, 1880.

Resignation.

The Governor, with the advice of the Executive Council, has accepted the resignation of the
 undermentioned gentleman, viz.:—

J. A. Reid, Esq.,
 as a Member of the Commission appointed on the 20th March, 1879, to carry out and
 superintend the Melbourne International Exhibition, 1880.

11th June, 1880.

MELBOURNE INTERNATIONAL EXHIBITION, 1880.

The Governor, with the advice of the Executive Council, has accepted the resignation of
 Charles Fauconnet, Esq.,
 as a Member of the Commission appointed on the 20th March, 1879, to carry out and
 superintend the Melbourne International Exhibition of 1880.

ROBERT RAMSAY, Chief Secretary.

Chief Secretary's Office, Melbourne, 2nd August, 1880.

LIST OF COMMISSIONERS.

President:

THE HON. WILLIAM JOHN CLARKE, M.L.C.

Vice-Presidents:

THE HON. JAMES JOSEPH CASEY, C.M.G., &c., EXECUTIVE VICE-PRESIDENT.

THE HON. JAMES MUNRO, M.P., J.P.

THE HON. SIR BRYAN O'LOGHLEN, BART., M.P.

THE HON. SIR GEORGE F. VERDON, K.C.M.G., C.B., F.R.S.

THE HON. SIR SAMUEL WILSON, M.L.C., F.R.G.S., F.L.S.

Members:

THE HON. GRAHAM BERRY, M.P., J.P.

THE HON. JAMES MACPHERSON GRANT, M.P., J.P.

THE HON. MAJOR WILLIAM COLLARD SMITH, M.P., J.P.

THE HON. FRANCIS LONGMORE, M.P., J.P.

THE HON. JAMES BROWN PATTERSON, M.P., J.P.

THE HON. JOHN WOODS, M.P., J.P.

THE HON. PETER LALOR, M.P., J.P.

THE HON. HENRY CUTHBERT, M.L.C., J.P.

THE HON. CALEB JOSHUA JENNER, M.L.C., J.P.

THE HON. ROBERT DYCE REID, M.L.C.

THE HON. JOHN CUMMING, M.L.C., J.P.

THE HON. WILLIAM WILSON, M.P.

JOHN ANDREW, Esq.

HENRY BELL, Esq., M.P.

GEORGE BILLSON, Esq., J.P.

JOSEPH BOSISTO, Esq., M.P., J.P.

ROBERT BOWMAN, Esq., M.P.

THE HON. ALFRED THOMAS CLARK, M.P., J.P.

EDWARD JOHN DIXON, Esq., J.P.

JOHN L. DOW, Esq., M.P.

JAMES FERGUSSON, Esq., J.P.

GEORGE RANDALL FINCHAM, Esq., M.P.

THE HON. JAMES H. GRAVES, M.P.

THOMAS HUNT, Esq., M.P., J.P.

ROBERT DE BRUCE JOHNSTONE, Esq., M.P., J.P.

THE HON. GEORGE D. LANGRIDGE, M.P., J.P.

JOHN LAURENS, Esq., M.P., J.P.

JAMES MIRAMS, Esq., M.P.

JOHN NIMMO, Esq., M.P., J.P.

WILLIAM JOSEPH O'HEA, Esq., M.P.

THE HON. RICHARD RICHARDSON, M.P., J.P.

ALEXANDER KENNEDY SMITH, Esq., M.P., C.E., J.P.

JOSEPH STORY, Esq., M.P., J.P.

EPHRAIM LAMEN ZOX, Esq., M.P., J.P.

THE HON. THOMAS LOADER, J.P.

THE HON. WILLIAM MOUNTFORD KINSEY VALE, M.P., J.P., Treasurer to the Commission.

RICHARD BOWEN, Esq., J.P., Member of City Council.

JOHN M'ILWRAITH, Esq., J.P., Member of City Council.

THOMAS O'GRADY, Esq., J.P., Member of City Council.

JOHN PIGDON, Esq., J.P., Member of City Council.

ROBERT RICHARDSON, Esq., Member of City Council.

JOSEPH ANDERSON PANTON, Esq., P.M.

JOHN BUNCLE, Esq., J.P.

JAMES DALLAS, Esq.

JOHN DANKS, Esq., J.P.

GEORGE E. DOUGLAS, Esq.

WILLIAM GILLBEE, Esq., M.R.C.S.E.

WILLIAM GRAY, Esq.

JOHN HALFEY, Esq., J.P.

HENRI J. HART, Esq., J.P.

WILLIAM BUSHBY JONES, Esq., J.P.

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CONDITIONS AND REGULATIONS.

The following Conditions and Regulations for the governance of the Exhibition, together with the classification of exhibits, were published, and forwarded to all parts of the world :—

THE MELBOURNE INTERNATIONAL EXHIBITION, 1880.

In accordance with a Commission issued under the great seal of the Colony of Victoria, and with the co-operation of the Imperial Government of our Gracious Sovereign the Queen, an International Exhibition of Arts, Manufactures, and Agricultural and Industrial Products of all Nations will be opened at Melbourne on the 1st day of October, 1880, and will close on 31st day of March, 1881.

The Exhibition will be held in buildings specially erected for the purpose in Carlton Gardens, centrally situated in the City of Melbourne, and the cost of erecting such buildings, and all expenses incidental to the Exhibition, will be defrayed out of funds voted by the Parliament of Victoria.

The Commissioners are empowered to invite the British, Foreign, and Colonial Governments to take part in this Exhibition, and they will be glad to learn that steps have been taken to provide for the representation of every country and colony thereat.

The fact that Australasia has been represented at all the great Exhibitions of the world since their inception in the year 1851, and the advance she has made in productive industry, the extent of her commercial relations, and the high position to which her imports and exports have attained, indicate that she has now reached the period when she may profitably invite the great manufacturing countries to send the most complete products of their skilled industry to a people who are in a position to become not only generous competitors but good customers.

1. Applications for space, with full particulars, are invited as early as possible. Copies of the official form of entry can be obtained upon application to the Secretary to the Commissioners.

2. Excepting under the circumstances specified under Article 4, applications for space must be made through the representatives of the country or colony to which the applicants belong.

3. Governments intending to take part in this Exhibition are requested to forward an intimation to that effect not later than the 1st of June, 1879.

4. In the event of no representatives being appointed by the country or colony to which an intending exhibitor belongs, he can communicate direct with the Secretary.

5. Applications for space should be made not later than the 1st March, 1880.

6. British, Foreign, and Colonial Governments, or Commissioners appointed by them, are requested to inform the Melbourne Commission not later than the 1st day of January, 1880, whether they require any increase or diminution of the space offered them, and the amount. They are also requested to state whether there will be any exhibits for which special space should be provided, together with a description showing their nature and quantity.

7. Before the 1st day of June, 1880, the representatives of countries or colonies should furnish approximate plans, showing the manner of allotting the space assigned to them, and lists of their exhibitors, and other information necessary for the production of the Official Catalogue.

8. Commissioners representing countries or colonies, and private exhibitors, may adopt one of three courses, viz.:—

(a) They can ship their exhibits direct to Melbourne, and make their own arrangements for their shipment, reception, and exhibition.

(b) Or consign their exhibits to

*The Secretary International Exhibition, 1880,
Melbourne, Australia,*

with specific instructions as to what is desired.

(c) Or, having previously forwarded an entry to the Melbourne Commission, they can forward the Goods, together with invoices and descriptions, to any of the following firms or companies :—

London—Messrs. James M'Ewan & Co., 27 Lombard-street; or to Messrs. M'Ilwraith, M'Eachran & Co., Leadenhall-street.

Liverpool—Messrs. John Swire & Sons.

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San Francisco—Pacific Mail Company.

All Ports where the Company has Agencies—The Peninsular and Oriental Company.

CONDITIONS AND REGULATIONS.

9. Packages forwarded from countries and colonies represented at the Exhibition should be addressed—

*To the Commissioner for.....
at the International Exhibition of 1880, Melbourne,
Victoria, Australia,*

and have two labels bearing the flag of the country to which the exhibitor belongs; or where no representative has been appointed—

*To the Secretary
International Exhibition of 1880, Melbourne,
Victoria, Australia,*

and two labels, affixed to different but not opposite sides of the package, giving the following information:—(1) The country from which it comes. (2) Name or firm of exhibitor. (3) Residence of the exhibitor. (4) Group and class to which exhibits belong. (5) Total number of packages sent by same exhibitor. (6) Serial number of that particular package. Each package must contain a list of the exhibits it contains.

Packages from foreign countries containing goods intended for the Exhibition must likewise have painted on them, as distinctive marks, the letters M.I.E. surrounded by a circle (MIE)

Packages from foreign countries must all be marked in such a way as to show distinctly whence they come, viz., with the colours and devices of their national flag. Foreign Commissioners are particularly requested to forward to the Melbourne Commission, as soon as possible, copies of the forms of address and the distinguishing marks which they have severally adopted.

10. In cases where exhibits are forwarded to Melbourne through any of the above-named agents of the Commission, all expenses of freight, marine insurance, &c., should be prepaid by the exhibitor; but if that be inconvenient, the exhibits will be forwarded, and the charges and freight paid by the agents. The sum advanced by the agents will be regarded as a first charge upon the exhibits, to be deducted from the net proceeds, in the event of their being sold. Should such exhibits, however, not be sold, but be claimed by the exhibitor or his authorised agent at the close of the Exhibition, then such sums as may have been disbursed by the Commission or any of its agents must be paid before such goods are delivered.

11. Customs entries, transportation, receiving, unpacking, and arranging the products for exhibition will, if required by the exhibitor, be undertaken by the Commission, at the expense of the exhibitor.

12. Arrangements will be made for transporting goods from the port of Melbourne, or the several railway stations, to the Exhibition grounds at a fixed rate of charges.

13. Exhibits will be admitted free of duty for the purpose of exhibition. The removal of goods, except under special circumstances, will not be permitted prior to the close of the Exhibition. Facilities will be given for the sale of exhibits, delivery to be made after the close of the Exhibition.

14. The protection of inventions capable of being patented, and of designs, is secured by the patent laws of Victoria.

15. The placing and fixing of heavy articles, requiring special foundations or adjustment, should begin by special arrangement as soon as the progress of the work upon the Exhibition Buildings will permit. The general reception of articles in the Exhibition Buildings will commence on 1st July, 1880, and no articles will be admitted after 31st August, 1880. The plans for the display and accommodation of such objects as may require either special arrangements or exceptional works for their erection must receive the approval of the Commission before they are executed, and the works must be carried out under the supervision of its agents. The special preparations of which mention has been made will be commenced as soon as the building and various annexes are sufficiently advanced. The works of general fitting-up must be commenced not later than the 1st of May, 1880, and must be ready to receive goods before the 15th day of July, 1880.

16. Space assigned to countries and colonies, and not occupied on the 1st day of September, 1880, will revert to the Commission, and will be subject to re-arrangement.

17. If exhibits are not intended for competition, it must be so stated by the Exhibitors, and they will be excluded from examination by the International Jurors.

18. An Official Catalogue will be published in English by the Commission, by which the sale of Catalogues is reserved. Every country and colony will, however, have the right of producing at its own expense, but in its own language only, a special Catalogue of the objects exhibited in its section. No work of art, nor any article whatever, exhibited in the buildings, parks, or gardens, may be drawn, copied, or reproduced in any manner whatever, without the permission of the exhibitor. The Commission reserves the right of authorising the production of general views.

19. The representatives of countries and colonies, when appointed, will be allowed to group their exhibits as they may think fit in that portion of the Exhibition Buildings allotted to the country or colony which they represent.

20. Exhibits from any country or colony whose Government is not represented, will be grouped according to some one of the following classes. The same direction will be followed in the Catalogue:—

1. Works of art.
2. Education and instruction—Apparatus and processes of the liberal arts.
3. Furniture and accessories.
4. Textile fabrics, clothing and accessories.
5. Raw and manufactured products.
6. Machinery—Apparatus and processes used in the mechanical industries.
7. Alimentary products.
8. Agriculture.
9. Horticulture.
10. Mining industries—Machinery and products.

Each of these groups is divided into classes, according to the system of general classification annexed to these regulations (Appendix). This Appendix includes for each class a summary enumeration of the objects which it will comprise.

21. A limited quantity of steam and water power will be supplied gratuitously. The quantity of each will be settled definitely at the time of the allotment of space. The Commissioners desire to encourage the display of machinery in motion, and they will endeavour to provide adequate power to meet all reasonable demands. Any power required by the exhibitor in excess of that allowed will be furnished by the Commission at a moderate price. Demands for such excess of power must be settled prior to the 31st August, 1880.

22. By the introduction of steam-power it is proposed to afford facilities for presenting not only the machinery for any given manufactures, but the manufactures themselves; and it is further intended that space shall be afforded for the production in the Exhibition of interesting objects by manual labour.

23. Exhibitors must provide at their own cost all show-cases, shelving, counters, fittings, &c., which they may require; and all shaftings, pulleys, belting, &c., for the traces and measures of power from the main shafts; but the Commission is prepared, if required, and upon being furnished with full particulars, to make arrangements for the construction of show cases by contract at a price per cubic foot, the cost to be borne by the exhibitor using the same. All artistic decorations and arrangements must be approved by the Commission.

24. The Commission reserves the right of rejecting or returning any proposed exhibit.

25. The following special regulations are framed for the reception and admission of works of art. The works admissible include the five classes mentioned below:—

1. Paintings.
2. Drawings, water-colours, crayon drawings, miniatures, enamels, porcelain, designs for stained-glass windows (with the exception of those which merely represent subjects of ornamentation), and mosaic work.
3. Sculpture and die-sinking, and engraving on precious stones.
4. Architecture.
5. Engraving and lithography.

26. The following are excluded:—

1. Unframed pictures or drawings.
2. Sculpture in unbaked clay.

27. The duty of deciding upon the admission of works of art will devolve upon a special jury. Special and suitable rooms will be reserved for the exhibition of such ancient pictures and works of art as may be admitted by a special jury. Other regulations will give information as to the despatch and reception of works of art.

28. Facilities will be given, upon application to the Commission, for the erection of special constructions, whether in the buildings or grounds.

29. The Commission will take precautions for the safe preservation of all objects in the Exhibition, but will be in no way responsible for damage or loss of any kind, or accidents by fire or otherwise, however caused.

30. Facilities will be afforded the representatives of countries and colonies, and private exhibitors, for insuring their goods; and they may also employ watchmen of their own choice to guard their goods during the hours the Exhibition is open to the public. The appointment of such watchmen will be subject to the approval of the Commission. These persons shall wear a special dress or distinctive badge, and they will always have the power of calling the police to their aid.

31. Articles that are in any way dangerous or offensive, or injurious to public decency and morality, will not be admitted into the Exhibition.

32. Sketches, drawings, photographs, or other reproductions of articles exhibited, will only be allowed upon the joint consent of the exhibitor and the Commissioners; but views of portions of the building may be made, upon the sanction of the Commission alone.

33. The following is the system under which the awards will be made:—

The awards shall be based upon written reports adopted by the Jurors.

The Jurors shall be selected for their known qualifications and character, and shall be experts in the departments to which they are especially assigned. The British, Foreign, and Colonial Jurors shall be appointed by the representatives of each country or colony exhibiting. The Jurors for Victoria will be appointed by the Melbourne Commission.

Jurors will be reimbursed their personal expenses.

Reports and awards shall be based upon inherent and comparative merit, the elements of merit being held to include considerations relating to originality, invention, discovery, utility, quality, skill, workmanship, fitness for the purposes intended, adaptation to public wants, economy, and cost.

Each report shall be delivered to the Commission as soon as completed.

Awards shall consist of gold, silver, and bronze medals, and a certificate of honourable mention, together with a special report of the Jurors on the subject of the award.

Each Exhibitor shall have the right to produce and publish the report awarded to him, but the Commission reserves the right to publish and dispose of all reports in the manner it thinks best for public information, and to embody and distribute the reports as records of the Exhibition.

34. Immediately after the close of the Exhibition, exhibitors, or their duly appointed agents, shall remove their effects, and complete such removal by the 1st June, 1881. Goods then remaining will be removed by the Commission, and sold by auction, or otherwise disposed of, under the direction of the Commission, and the net proceeds handed to the exhibitors, or their duly appointed agents.

35. Every person who becomes an exhibitor thereby acknowledges, and undertakes to observe, the rules and regulations established for the government of the Exhibition.

36. The Commission reserves the right to alter, explain, amend, or add to these regulations whatever may be deemed necessary.

Information upon any question of details can be obtained upon application to

The Agent-General for Victoria,

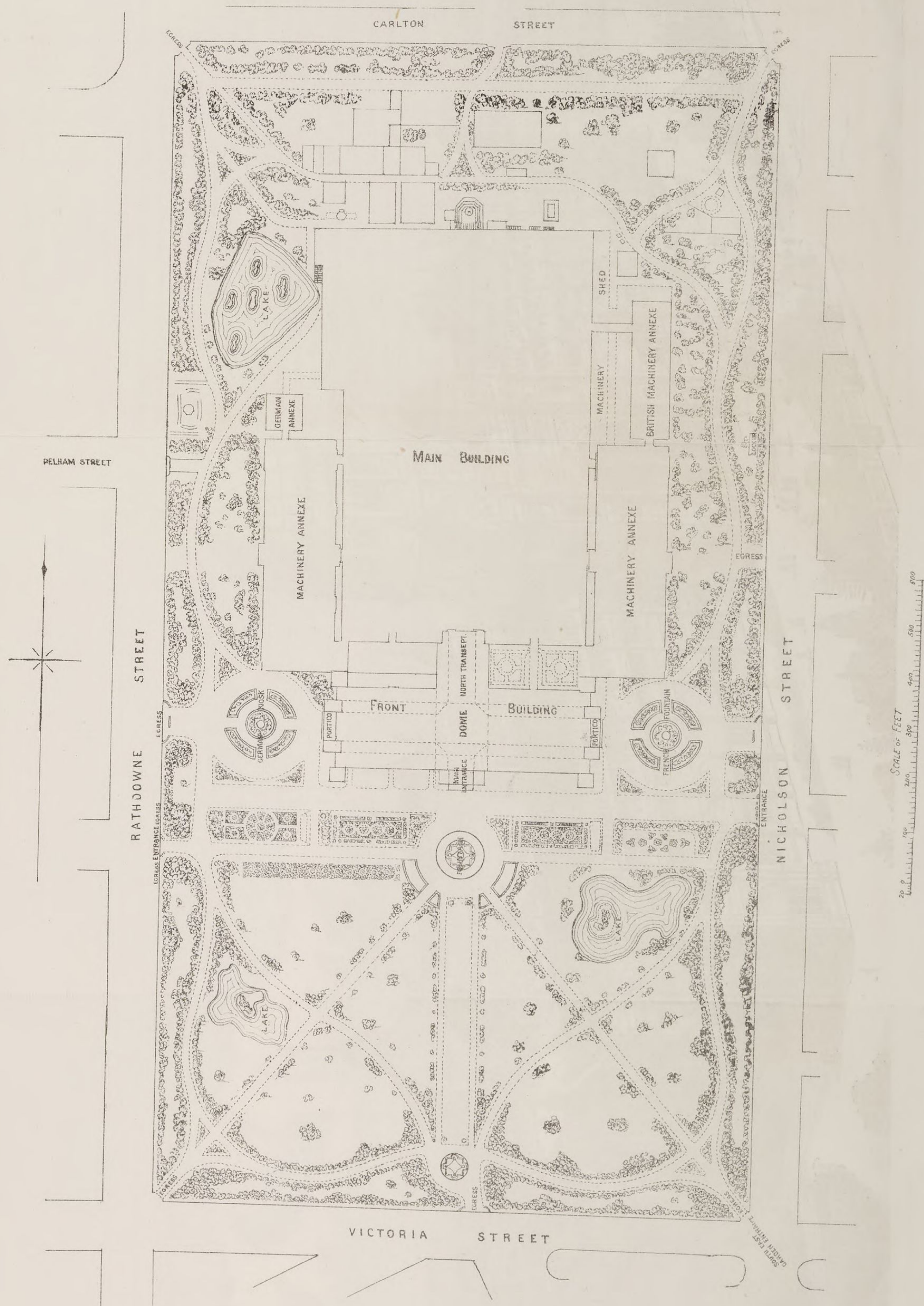
8 Victoria Chambers, Victoria-street,

Westminster, London, S.W.



EXTERIOR OF THE MELBOURNE INTERNATIONAL EXHIBITION.

EXTERIOR OF THE MELBOURNE INTERNATIONAL EXHIBITION



THE MELBOURNE INTERNATIONAL EXHIBITION 1880

PLAN OF GARDENS

Printed by J. Batten, 79 Queen St.

Franklin & Co.
Secretary
1880

INTRODUCTORY.

"NOTHING is new under the sun." Revolvers and breechloaders date from the middle ages ; electric telegraphs and steam engines were foreshadowed in the *Arabian Nights*; and when the Society of Arts and Prince Albert initiated the series of international exhibitions, which have commenced in Hyde Park and culminated in the Carlton Gardens, they were only enlarging upon the ideas of King Ahasuerus, who, according to the Book of Esther, showed, in the third year of his reign, "the riches of his glorious kingdom and the honour of his excellent majesty many days, even an hundred and four score days. The exhibition took place in Shushan, the palace; and the exhibits consisted of white, green, and blue hangings, fastened with cords of fine linen and purple to silver rings and pillars of marble. The beds were of gold and silver, upon a pavement of red and blue and white and black marble. And they gave them drink in vessels of gold, the vessels being diverse one from another." Exhibitions not international, excepting that they consisted to a considerable extent of the spoils of conquered countries, were held at Rome during the last years of the Republic and the early days of the Empire; but the invasion of the barbarians was fatal to any of the triumphs of peace, and there were no exhibitions from the time of Nero till the middle ages were well advanced. The first of modern times was that at Venice, held during the dogeship of Lorenzo Tiepolo, in 1268, when there was a grand display, consisting of a water *fête*, a procession of the trades, and an industrial exhibition. The various guilds of the queen city of the seas defiled through the narrow and filthy streets to debouch upon the grand square of St. Mark. Tanners and tailors, smiths and skimmers, hosiers, mercers, weavers and drapers, glassblowers, gold cloth workers, fishmongers and butchers, all clad in their robes of state, marched into the presence of their prince. After some compliments had been exchanged, the heads of the various guilds asked the Dogressa to inspect the exhibition of their industry, spread out in the apartments of the palace, which for that day, at least, bore a smiling aspect. The fairs held at Leipsic and Nijni-Novgorod in Europe, and Tintah, half-way between Cairo and Alexandra, during the middle ages, had many of the characteristics of modern exhibitions; and in 1689 the Dutch held at Leyden a singular fair, at which they exhibited a number of curios, including "the skin of a woman prepared like leather," "the ears and tongue of a thief who had been hanged," "Arabian jewels, East Indian corals, Egyptian linen, Chinese songs, and Chinese beer."

The first of the series of modern exhibitions was that of 1756, when the Society of Arts in London offered prizes for improvements in the manufacture of tapestry, carpets, and porcelain, the articles exhibited being ranged in competition. In 1761 a similar exhibition was held by the same society, the objects shown being agricultural and other machinery, and a gentleman being engaged to explain the merits of the various objects. In 1797 a collective display of the art factories of France, Sevres, the Gobelins, and the Savonnerie was commenced in the deserted walls of the palace of St. Cloud. Political troubles interfered somewhat with the success of the scheme, but it was carried out the following year in the Rue de Varennes, Paris, by the Marquis d'Aveze, with such success that an official exposition, this time in a building erected in the Champ de Mars, was held during the last three days of the

same year. The display on that occasion was not confined to the art manufactures of the State, but private firms were allowed to compete, and there were altogether 110 exhibitors. The inaugural ceremonies were very remarkable, for Napoleon, who had just returned from his successful campaign in Italy, had a triumphal procession, in which the art spoils from Venice, Rome, and Milan, the masterpieces of Titian, Raffaele, Domenichino, and Paul Veronese, were paraded through the streets of Paris, and displayed before the populace, which had not then forgotten the days of terror. A second official exhibition was held three years later, in 1801, in the grand court of the Louvre. Upon that occasion juries of practical men examined the objects shown, and the winners of a gold medal were invited to dine with Napoleon, then first Consul, the first public and official recognition upon ceremonial occasions of the *tiers état*—the great middle class. The advantage of exhibitions to exhibitors was thoroughly realised by the jury, for in their report appears one very remarkable sentence, the truth of which all exhibitors appear to realise:—"There is not an artist or an inventor who, once obtaining thus a public recognition of his ability, has not found his reputation and his business largely increased." The third Paris Exhibition, held the following year, was the first which published an official catalogue, or rather, perhaps, it was the first of which any traces of the official catalogue have been handed down to posterity. At this exhibition there were 540 exhibitors, including such names as those of Montgolfier, the first aëronaut, and Jacquard, the inventor of the loom which bears his name. The fourth exhibition was held in 1806, in the Esplanade in front of the Hotel des Invalides, with 1422 exhibitors. The wars of the Empire followed, and there were no more exhibitions in Paris till 1819, when the fifth was held in the court-yard of the Louvre, under the presidency of Louis XVIII., with 1622 exhibitors. Similar exhibitions were held at Paris at various intervals until 1849, the last having 4500 exhibitors, a vast increase upon the 110 with which the series had been inaugurated.

The idea of exhibitions was not long confined to France, and in 1827 the Royal Dublin Society commenced a series of triennial exhibitions in their grounds, which are stated to have had very satisfactory results upon the trade of the Irish capital. In the following year a National Depository was opened in the Royal Mews, Charing Cross, London, for the exhibition of specimens of new and improved productions of the artisans and manufacturers of the United Kingdom. This was intended to have been a repository for all sorts of inventions and improvements, and it succeeded in bringing together a vast variety of useful and interesting articles. But the project fell stillborn, and in a very short time was abandoned.

A number of national exhibitions were held in various parts of Germany and Austria in the first half of the present century, and in 1844 there was a grand Teutonic display at Berlin, with 3040 exhibitors, of whom 1932 were from Prussia and 75 from Austria. Indeed, exhibitions confined to the products and manufactures of the country in which they were held had taken place in almost every country in Europe long before 1851. Switzerland, Holland, Belgium, Sweden, Russia, Poland, Italy, Spain, and Portugal, all had exhibitions, and there was a Freetrade Bazaar of British manufactures at the Covent Garden Theatre in 1845, which at the time created a great deal of interest.

But all these organisations were upon a very small scale, and it was reserved for the Society of Arts, under the presidency of the Prince Consort, to commence the series of great international exhibitions, of which that held at Melbourne during 1880-81 has been the latest. The first advice of the Prince was to encourage the operations of fine arts to manufactures, and a special prize fund was organised for the improvement of the caste of manufacturers and artisans. The objects which gained prizes were displayed the following year, and the first exhibition of select specimens of British manufactures and decorative art was opened in March, 1847. The idea was good; the patronage of royalty made it fashionable, and when in

1849 the Prince Consort unfolded his plan of an international exhibition, at which all countries should be invited to compete, and which should form a new starting-point from which all nations were to direct their further exertions, the suggestion was taken up warmly. A site—Hyde Park—was selected, and in the following June the plans of Sir Joseph Paxton were accepted, and the palace of glass was commenced. The building covered twenty acres, its length was 1851 feet, it cost £193,168 10s. 2d., it was open five months and fifteen days, the cash receipts were £506,100 6s. 4d., and there was a surplus of £186,000. The number of visitors was 6,039,195, and the money taken at the doors amounted to £423,792 4s. 7d. The total number of exhibitors was 13,937, of which Great Britain contributed 6861, the colonies 520, and the rest of the world 6556.

The exhibition of 1851 was followed by those of New York and Dublin in 1853, Melbourne in 1854, and Munich the same year, where 7055 exhibitors were brought together from every part of Germany. The French had a grand gathering in 1855 at the Palais d'Industrie, in the Carré Marigny, Champs Elysées, which is still standing, and serves as a receptacle for the pictures of the Salon, sometimes as a show for horses and dogs, and at other times is used for State ceremonials. The building cost half a million sterling, and the other expenses amounted to an equal sum, while the total receipts from all sources were less than £130,000. The result was partly attributable to the small sums charged for admission, there being many days on which it was only twopence, while on others it was entirely free. The total number of exhibitors was 20,839; the visitors numbered 5,162,330. The great feature of this display was the fine arts gallery, which was the first international art display of any magnitude.

There were national exhibitions in several European countries, but the next great world's fair was that held in London in 1862. One preparatory had been held at Melbourne, in the old Exhibition-building, in the previous year. The death of the Prince Consort had a depressing effect upon the whole enterprise, and the buildings were but badly adapted for the purpose for which they were intended. The total space roofed in was 988,000 square feet. The amount received was £408,530, and the number of visitors was 6,211,103, in 171 days. The display was remarkable for its machinery and for its fine art galleries, the collection of paintings by the British masters being the finest and most complete which had up to that time been brought together. For the first time had royal and ducal galleries displayed their collections; the poet laureate wrote an ode for the opening; Sir Sterndale Bennett composed the music, and two thousand choristers and four hundred musicians gave effect to the work.

Dublin held an exhibition in 1865, the funds being principally supplied by Sir B. L. Guinness, the total number of admissions during six months being 900,000. Upon this occasion the experiment of night openings was tried, the average attendance after dark being 3000. The sculpture gallery was very well filled, and the art wealth of the Irish metropolis was permanently increased by the large number of fine specimens purchased after the exhibition was closed.

The Paris Exhibition of 1867 was upon a far larger scale than that of 1855. Held upon the Champs de Mars, that celebrated historical site, where took place during the Revolution the Fête de la Fédération, where Louis XVI. swore fealty to the constitution, and where the first exhibition was held in 1798, it took a complete hold upon the feelings and sympathies of the French people. The building was aptly termed an exaggerated gasometer. The external ring was devoted to machinery, the internal to the history of labour, commencing with the stone age, the age of lacustrine dwellings, Gaul in a state of savagery, semi-civilisation under the Romans, the days of Charlemagne and the Carolingian kings, the Moyen-age, the Renaissance, down to the present time. A great feature was the park, which was studded with specimens of all buildings in the world—Turkish mosques, Swedish

cottages, English lighthouses, Egyptian palaces, and Swiss chalets. The attendance reached 6,805,969, the exhibitors numbered 43,217, and the total amount received was £420,735 7s. 2d. Another novelty was the introduction of restaurants and bars from all the nations of Christendom. The visitor could travel from the extreme east to the far west; and commencing with the tea and caviare of Russia, go to the buckwheat cakes and sherry cobbles of the United States, taking intermediate refreshment in Austria, Holland, Germany, France, and England, and tasting not only the various foods and drinks, but testing the method of cooking.

There were small exhibitions in various parts of Europe between 1867 and 1870, and annual exhibitions during 1870, 1871, 1872, 1873, and 1874 at London; but the next great international exhibition was at Vienna, in 1873. The site was in the Prater, the beautiful park of the Austrian capital. The main building had a rotunda, surmounted by a monster model of the Imperial Crown, and was 3000 feet in length. There were halls for machinery and agriculture, surrounded by hundreds of buildings of all lands and nationalities, scattered amongst the lovely woodland scenery of the Prater. Unfortunately, the attendance of visitors was diminished by the outbreak of the cholera, and the receipts only amounted to £206,477 13s., although the attendance reached 6,740,500. The number of exhibitors was 25,760.

The Centennial Exhibition of 1876, celebrative of the one hundredth anniversary of American Independence, was held in the Fairmount Park, Philadelphia. The funds were raised partly by private subscriptions and partly by donations from the State of Pennsylvania and the city of Philadelphia; the United States Government assisting by a large loan, which was subsequently repaid. The principal buildings, five in number, occupied an area of 48·47 acres, and there were a large number of smaller structures, which, in the aggregate, must have filled half as much space more, the largest being that devoted to the exhibits of the various departments of the United States Government, and covering nearly seven acres. The principal novelties introduced at Philadelphia were that instead of gold, silver, and bronze medals, only one description—bronze—was issued, the difference between the merit of the various exhibits being determined by the reports. Season tickets were definitely abandoned, and the price of admission was always the same, half a dollar, or about 2s. The display of machinery was the finest ever made; that of the United States occupying 480,000 square feet, the motive-power for which was obtained from a Corliss engine of 1600-horse power. The exhibition was visited, from 10th May to 10th November, by 9,892,625 persons, of whom 8,004,214 paid for admission; the balance being exhibitors, officials, and attendants. The largest attendance upon any one day was 274,919. The exhibition was not open at night or upon Sundays. The total receipts amounted to £763,899. This was the largest sum ever received at any exhibition, but it must not be forgotten that the rate of admission was double that paid upon any previous occasion.

The Paris Exhibition of 1878 was upon a far larger scale in every respect than any of its predecessors. The total area of ground covered upon both banks of the Seine was not less than 100 acres, the main building alone occupying 54 acres. The French exhibits filled one-half the entire space, the remaining moiety being occupied by the other nations of the world, Great Britain and her colonies taking up nearly a third of the area set apart for foreigners. The display of fine arts and machinery was upon a very large and comprehensive scale, and the Avenue des Nations, a street 2400 feet in length, was occupied by specimens of the domestic architecture of every country in Europe, and several in Asia, Africa, and America. The palace of the Trocadero, on the northern bank of the Seine, was a magnificent structure, with towers 250 feet in height, flanked by two galleries. The same rules about admission which prevailed at Philadelphia were enforced at Paris, and every person, exhibitor, journalist, or official, who had the right of entrance at all times, was compelled to send two copies of his or her photograph, one of these being

attached to the ticket. The ordinary entrance-tickets were not sold at the doors, but were obtainable at all Government offices, at various shops, and from countless pedlars in various parts of the city and suburbs. The buildings were somewhat incomplete upon the opening day, political turmoil and rumours of possible complications with foreign powers having prevented the French Government and the French people from putting their shoulders to the wheel until the beginning of 1878. But the efforts made during April and May were prodigious, and by the 1st June the exhibition was in a very complete condition. The total number of persons who visited Paris during the time the exhibition remained open was 571,792, being 46,021 in excess of the number of visitors during the exhibition of 1867, and 308,974 more persons than came to the French metropolis in 1877. The number of paying visitors to the exhibition was 13,000,000, and the cost of the enterprise to the State a little less than £1,000,000 sterling, after allowing for the value of the building material left on the ground, and the sale to the city of Paris of the Palais du Trocadero. But, on the other hand, it was asserted that the revenue of the Republic and of the city of Paris, where an import duty is placed upon all articles of food, was increased by nearly £3,000,000 sterling, so that the indirect advantages far more than made up for the apparent cost of the exhibition.

The Sydney International Exhibition of 1879 was opened on 17th September of that year. Unusual difficulties had attended its inception, owing to the fact that it had, in the first instance, been intended to hold the exhibition under the management of the Agricultural Society of New South Wales, and the decision of the Government to incur the entire responsibility for the expenditure and administration was not taken until many of the preliminary arrangements had been completed. The work done by the officers and representatives of New South Wales in Europe was of considerable assistance to the Commissioners for the Melbourne Exhibition; and there is no doubt that the great success of the latter was, to no inconsiderable extent, attributable to the Sydney Exhibition. Many exhibitors, especially upon the Continent, forwarded their contributions to both, who might not have exhibited had only one been held; and the experience gained at Sydney of the wants of the Australasian market was largely utilised in the larger and more comprehensive display made subsequently at Melbourne. The Sydney Exhibition was kept open until 20th April; and during that period it was visited by 1,117,536 persons, of whom 267,056 entered free, and 850,480 paid for admission, the amount realised being £40,432 9s. 6d. The total amount of space covered by the exhibition buildings, including the restaurants, was 650,000 square feet, or rather more than 15 acres. There were 6299 exhibitors, in addition to 3046 who took part in the live-stock, horticultural, and agricultural shows, and the display made by the public schools. The number of awards was 6756, in addition to 798 prizes given to exhibitors at the special shows. The net cost of the exhibition, after deducting the amount received for entrances at the doors, sales of concessions, &c., was £264,244 5s. 8d. The display made by Victoria at Sydney was large and extremely creditable. The arrangements were under the control of the Hon. J. J. Casey, M.P., C.M.G., Executive Commissioner, who was assisted by the Hon. W. M. K. Vale, M.P., the Hon. J. Munro, M.P., Mr. J. Bosisto, M.P., and Mr. G. C. Levey, C.M.G., Secretary to the Melbourne Exhibition. Mr. R. D. Bannister was Secretary to the Victorian Court. The number of exhibitors was 900; and the awards received were—gold medals 3, silver medals 46, bronze medals 251, and certificates 375; total, 675. The exact cost of the exhibition to the Government of Victoria was £3166 1s.

In conclusion, we may remark that Victoria took part in the London Exhibitions of 1862 and 1873, in that of Vienna in 1873, at Philadelphia in 1876, at Paris in 1878, and at Sydney in 1879. Upon all occasions the number of prizes taken was very large in proportion to the exhibits, and in the European and American

exhibitions this colony occupied the leading position, after Canada, over any portion of the Empire, excepting, of course, the United Kingdom.

PREVIOUS EXHIBITIONS AT MELBOURNE.

A small exhibition was held in Melbourne in the year 1850, and prior to the foundation of the colony of Victoria, but we have been unable to obtain any particulars or statistics; and the first Melbourne Exhibition of any note was opened in October, 1854. Its primary objects were to afford facilities to those colonists who were desirous of contributing specimens of their industry, and of the natural products of the colony, to the Exposition Universelle to be held at Paris in the following year. On the whole, a larger amount of success attended our first exhibition than its humble beginning and the state of the colony warranted any one in anticipating. Victoria, known previously only as the district of Port Phillip and part of New South Wales, had not long before gained the distinction and dignity of being erected into a separate colony, possessing constitutional government. The community was experiencing the gold-digging mania in its most intensified form. Towards the close of 1851 and during 1852 the goldfields of Clunes, Ballarat, Bendigo, and the Ovens were discovered. Almost everyone embarked, for a time at least, in the exciting and roving life of a gold-digger. Under such circumstances, it was hardly possible that the arts and manufactures would prosper. The first Melbourne Exhibition, therefore, was not a very representative one so far as colonial industrial art was concerned. But the Commissioners, foremost amongst whom was the late Mr. Justice Barry, received sufficient encouragement to undertake the responsibility of holding an exhibition. A grant was obtained from Parliament to defray the cost of erecting a suitable building upon a site situated in William-street, now occupied by the Mint. The building was constructed of wood and iron, and its dimensions were 257 feet in length, 90 feet in breadth, and 50 feet in height; altogether 19,000 feet superficial space was provided. For many years the old Exhibition-building was regarded as a graceful and elegant structure. But the art of building was in those days not practised to any very elaborate extent. The "bush carpenter" was the skilled artisan of the period, and his peculiar *forte* was in being able with hammer, saw, and tomahawk to accomplish very nearly everything in the building line. As may be imagined, his work was not the most finished or substantial; but if it possessed no other distinction, it would certainly lay claim to being decidedly novel. It is highly creditable to the enterprise of the colonists that in those expensive days, and with only a very limited revenue, the Government embarked upon the enterprise and expended £21,000 in the erection of an Exhibition-building. The contents of the exhibition were very little more than a display of imported goods. The colony was then mainly dependent upon England for a supply of most of the necessary commodities and luxuries of life. Only a few specimens of colonial workmanship were exhibited, and these were no more than interesting curiosities of labour in the infancy of its development, before the art of workmanship blended beauty with utility. Of the 428 exhibits which composed the collection many arrived from Bendigo, where a preliminary exhibition had been held—principally through the exertions of Mr. J. A. Panton, one of the present police magistrates of Melbourne. Amongst the most noticeable exhibits were a collection of specimens of Victorian gold, valued at £10,000, and a few samples of coal and iron ore, from Cape Patterson. The Governor, Sir Charles Hotham, K.C.B., in his inaugural address, said that before many years expired he hoped to "see steam-engines working on the Victorian railways, consuming Victorian coal, and produced by Victorian capital." But when His Excellency uttered these prophetic words he had very slender grounds for indulging his imagination in forecasting future events, and even the most sanguine would hardly have ventured to predict a progress so rapid and comprehensive as this colony has experienced. Our

industrial growth was then represented by the following meagre list of manufactures, numbering altogether 197:—34 saw-mills, 5 iron foundries, 16 breweries, 17 coach factories, 40 flour-mills, 9 fellmongeries, 1 boiling-down establishment, 1 rope-walk, 4 wine presses, 1 chaff-cutting machine, 1 steam washing-machine, 2 sausage-machines, 1 pottery; 12 candle, 5 cordial, 7 soap, 22 soda-water factories; and 1 bone-dust mill.

The exhibition was kept open for thirty days, and was visited by about 40,000 persons during that time. One of the most noticeable incidents in connection with the exhibition was that the first copy of the *Age* was printed in the building. Some Victorians of to-day will read with amazement the cost of provisions in 1854, and for their information we subjoin the following list:—Butter, 5s. per lb.; bread, 1s. 9d. per 4-lb. loaf; milk, 2s. 6d. per quart; eggs, 9s. per dozen; flour, £35 to £40 per ton (and as high as £100 per ton on the goldfields); beef, 1s. per lb.; mutton, 8d. per lb.

The next exhibition, opened on the 1st October, 1861, was held in anticipation of the great London Exhibition of 1862. A great change had in the meantime taken place in the colony. The seven years intervening between these two expositions were employed to the greatest advantage by the community. Although the gold diggings still continued to attract the larger proportion of the population, labour was now plentiful, owing to the steady influx of immigrants. From 77,345 souls in 1851 the population had increased to 540,671 in 1861. The discovery of gold brought people from all quarters of the world to the mines, but many of them soon became tired of the uncertainty of this life and its wild lawlessness, and gladly returned to the trades and pursuits which they had followed in their native land. A considerable fall in the price of labour followed, which gave new birth to colonial industries. Besides, the golden tide that set in during 1851 was slowly receding, and those of the population who were masters of a trade bethought themselves seriously about turning their knowledge to account. Under these favourable circumstances new industries were called into existence to supply the wants of the greatly increased population. That new life and vigour was imparted to our native industries and manufactures is made apparent by the fact that from 179 their number had been increased to 429, employing nearly 4000 persons. The population undoubtedly was becoming more settled, and fast emerging from the primitive existence in a calico tent or bark hut, with its inevitable dietary scale of everlasting “damper” and tea. Amongst the 703 exhibitors whose goods were displayed at the second Melbourne Exhibition in the old building in William-street, many had sent interesting specimens of colonial handicraft. The exhibition was very successful, and, including season ticket-holders, there were 67,405 admitted during the sixty days for which the exhibition remained open. The gross cash receipts were £3400.

The wonderful progress which Victoria had made is clearly marked by this national collection of works of industry and art. In 1836 the district of Port Phillip was included in the colony of New South Wales, and only possessed a population of 177, of whom 35 were women. The area of Victoria is 86,831 square miles, or scarcely a thirty-fourth part of the whole Australian continent. Since Victoria's separation its prosperity had been of amazing growth. In ten years after the discovery of gold enormous wealth was extracted from the soil. Within this period there had been raised and exported through the customs and other channels gold to the value of £103,940,976. In addition to this vast mineral wealth, the colony was also enriched by the production of wool. The exports, even as early as 1851, were valued at £734,618, but a large increase occurred in the following ten years, in 1860 £2,025,066 being the value of the wool exports. Upon examining the agricultural statistics a proportionate increase will also be found. At the exhibition of 1854 Victorian agricultural products were wholly unrepresented. That the husbandman had then only gained a weak footing is shown by the fact that there were only altogether 52,176

acres under cultivation; our agricultural products fell far short of requirements, and large sums were annually paid for these necessary articles brought from abroad. The year 1861, however, showed that the agriculturist was rapidly assuming a position of primary importance in the community. An enormous increase had taken place in the quantity of land under cultivation, which now amounted to 419,591 acres. There were now reasonable prospects that, in addition to supplying our own wants, at no very distant day the balance of trade would be turned in favour of the Victorian tiller of the soil, and he be also compelled to seek foreign markets for the disposal of a surplus. At the exhibition these resources of the colony were well represented. Another feature of the exposition was the exhibits of colonial wine, which were then being brought into prominence. About this period attention was also paid to the development of quartz reefs. Hitherto the alluvial mines had exclusively engaged the minds of men, but these were fast becoming exhausted. It was also seen that in quartz lodes a more permanent source of wealth and prosperity would be opened up. The great difficulty, however, was machinery wherewith to work these reefs below the water level, and also proper appliances for extricating the ore from the quartz.

The colony generally had emerged from the half-cultivation which existed in the old days of the pioneers. Men were beginning to surround themselves with the comforts and luxuries enjoyed by older-settled countries. A Public Library was founded, and this institution has since been advanced to the position of one of the noblest and best-appointed public institutions in the colony. Railway construction was also undertaken; the main line to Sandhurst had been commenced, but it was not completed until after the exhibition closed. Another line to Ballarat had also been started, electric telegraph communication with the various chief towns had been opened, and in all directions the work of road-making commenced, a sum of £5,272,620 having been expended between the first and second exhibitions on making roads and bridges. In 1851 there were 129 schools in the whole colony, and 7060 scholars. These had been increased during the following ten years to 886 schools and 51,668 scholars. Even a more surprising advancement is discovered in connection with churches, of which there were only 39 in 1851, but in 1861 the number had been increased to 874.

Referring to the statistics for the period, bearing upon the industrial state of the colonies, the 179 mills and manufactories in existence in 1851 had increased to 474. Amongst these were 94 mills for grinding and dressing grain, 1 oatmeal factory, 8 bread and biscuit manufactories, 20 agricultural implement manufactories, 7 steam chaffcutter makers, 4 bone manure manufactories, 28 tanneries, 21 soap and candle manufactories, 15 fellmongers and curriers, 2 woolstaplers and washers, 1 woollen flock factory, 1 sugar refinery and distillery, 2 steam coffee and spice mills, 2 ice manufactories, 38 breweries, 25 gingerbeer and sodawater manufactories, 7 cordial and 3 cider manufactories, 64 saw-mills, 8 lime kilns, 50 brick yards, 4 drain-pipe and tile manufactories, 1 pottery, 20 brass, iron, and copper factories, 2 iron rolling factories, 6 millwrights, 1 saw making, 20 coach factories, 1 chain manufactory, 1 lead pipe factory, 1 boiler manufactory, 1 railway carriage manufactory, 3 organ and pianoforte factories, 6 ship and boat builders, 5 gasometers, 2 electroplaters, and 2 curled-hair factories. To appropriately crown all, the colonists also meddled with military matters, and volunteer corps were established, whose effective strength was 3948 rank and file. The Government spent at the rate of £15,342 per year upon these volunteer corps.

The year 1866 saw the birth of the first Intercolonial Exhibition held in Melbourne. To the late Judge Bindon is mainly due the credit of realising the idea of holding such an exposition, which would be the means of establishing between the colonies an interchange of thought, a better knowledge of the products of each colony, and also promote a friendly rivalry which could not fail to advance the

interests of all the colonies. Parliament readily lend its aid to the project, and supplied a grant in aid to defray the expenses. The Governments of neighbouring colonies entered into the scheme with warmth. To secure an adequate representation of the products and manufactures of Victoria, the Commissioners invoked the aid of all borough and shire councils throughout the colony. The local bodies cordially took up the work, and lent their hearty sympathy to the movement. Local preparatory exhibitions were held at Ballarat, Bendigo, Castlemaine, and several other of the chief up-country towns. In addition to receiving the support and active co-operation of all the Australian colonies, the Commissioners also made successful exertions to secure the representation of New Caledonia, Mauritius, and Netherlands-India at the exhibition.

As this undertaking was to be conducted on a larger scale than any hitherto attempted, it was apparent that the primitive Exhibition-building, which had done the State good service since 1854, could not be utilised, as its accommodation would be totally inadequate to the requirements. The resolution arrived at was to erect a new building in connection with the Public Library, on such a scale that it would be hereafter available as a museum. A sum of £25,000, granted by Parliament, was expended on the great hall, which formed the main portion of the new Exhibition-building. The dimensions of the hall were—220 feet in length, 82 feet in breadth, and 50 feet in height; together with the temporary annexes, a total of 56,240 feet superficial space was provided. Many months were spent in making preparations for this great display of Australian arts and products, and as the opening day approached the interest concentrated in the project reached a climax. Many thousands of people visited Melbourne to see the collection. On the 24th October the exhibition was opened with great *éclat* by the Governor, Sir Henry Manners-Sutton, K.C.B., in the presence of a large and representative assemblage. There were 2956 exhibitors, including 1479 from Victoria, 738 from Tasmania, and 273 from New South Wales, the balance being distributed amongst the other colonies who were represented. Some of the politicians of New South Wales declined at first to take part in the exhibition. Had it not been for the kindly feeling and warm sympathy manifested by the inhabitants themselves, New South Wales would have probably been unrepresented.

The progress which the community had continued to make was shown in a most gratifying manner by the excellence and variety of the Victorian exhibits. These specimens demonstrated that the prosperity of the colony rested upon a solid and sure foundation. A great increase was shown in the number of exhibits coming under the heading of colonial manufactures, and these showed undeniably that a keen competition with the imported article had commenced, and that the genial and luxuriant climate of Australia was capable of producing not only all the common necessities, but also very many of the luxuries of life. At the date of holding the exhibition there were 903 manufactories of various kinds established in the colony. These represented 53 distinct branches of trade. On the gold-fields the introduction of improved machinery, new chemical appliances for extracting gold, and the abundance of skilled labour, also soon produced highly satisfactory results. A large number of quartz lodes were being profitably worked, and the gold obtained from this source made up the deficiency in the returns received from the alluvial mines. During the fifteen years which had elapsed since the discovery of these treasure-fields, gold had been raised to the value of £141,144,160.

Side by side with the growth of colonial industries, the metropolis and various up-country towns manifested outwardly the tide of prosperity which had set in. The "shanties" of the good old days were gradually replaced by buildings of, in many instances, imposing appearance. Public buildings of goodly proportions and improved design were beginning to dot the principal towns throughout the colony.

Costly water-supply schemes for domestic purposes had also been undertaken at Melbourne, Geelong, Sandhurst, and Ballarat. Gasworks, public parks, and gardens had long before this period sprung into existence. In short, even in the small space of fifteen years, such was the magical power of the colony's prosperity that it had transferred a wilderness, in which the blackfellow, the kangaroo, and the gum-trees alone flourished, into many prosperous, well-governed, and picturesque townships and cities. The exhibition which marked this epoch and recorded its achievements was an unqualified success. It was kept open for 105 days and evenings. The attendance within this period was 268,634.

After the lapse of six years the fourth Melbourne Exhibition was held. The formal opening ceremony was performed on the 6th November, 1872. From a general point of view this exposition was not so attractive as the one immediately preceding it. The exhibits asked for were in the first instance exclusively confined to Victorian products intended for display at the International Exhibition held in London in 1873. Exhibitors were restricted to displaying "works of art, scientific inventions, new discoveries, and certain specified manufactures." While the Commissioners were yet occupied with the preliminaries, the Secretary of State gave intimation that an International Exposition was also to be held at Vienna in 1873, and requesting that exertions should be made to have the colony represented. The wishes of the Secretary for State were complied with, and preparations made for forwarding a collection of exhibits to Vienna. This considerably enlarged the Commissioners' sphere of action. Though the exhibition was not on a scale so extensive as the intercolonial one held in 1866, yet the collection of exhibits displayed was both extensive and varied. Taken altogether, the exhibition was extremely gratifying to Victorians, as it demonstrated the remarkable fertility of our soil, the excellence of its natural productions, the abundance of our mineral resources, and also the inventive genius and manufacturing ability of the colonists. It was shown that the unexampled advance made by the community in the various branches of industrial art was not a forced and artificial growth. The previous exhibitions proved the contrary. There were now 1909 manufactories in the colony, employing 21,822 persons. A falling-off in the number of exhibitors compared with those of the International Exhibition was naturally to be expected, as the collection was purely a Victorian one. The exhibitors on this occasion numbered 1740, and their goods occupied 32,000 feet of space. The trustees of the Public Library placed at the disposal of the Commission the Museum-hall and a number of out-buildings, which obviated the necessity of any fresh outlay for building purposes. During the sixty-four days and evenings for which the exhibition remained open, 160,747 visitors attended. The total cash receipts were £4973 4s. 4d.

The inaugural ceremony connected with the fifth Melbourne Exhibition took place on the 2nd September, 1875. An exhibition—the great Philadelphia Centennial—was to be held in the following year, and in order to secure at this gathering of all the civilised nations an effective and creditable representation of the Australian colonies, neighbouring colonies were invited to take part in a preliminary intercolonial exhibition—the second—to be held in Melbourne. An attempt was made to hold an exhibition at Sydney, but for political reasons the Government of New South Wales declined to undertake the responsibility of the work. The success of this exhibition is such a recent event that it will yet be fresh in the recollection of most Victorians, and, therefore, a brief reference to the details will suffice for present purposes. The building used was the Museum-hall, which was again placed at the disposal of the Commissioners, who, however, were compelled, owing to the large demand for space, to erect a number of temporary buildings. This exhibition was conducted on a larger scale than any previous similar undertaking; altogether 78,000 feet of space was provided, and the exhibitors numbered 4500. Special efforts were made to secure a thorough representation of

the raw products of Australia for transmission to Philadelphia, and this desirable aim was successfully accomplished. The collection was both the largest and most varied display of exhibits which had been brought together in this colony. It embraced specimens of nearly all the products of our soil; wool and cereals occupied a prominent place, nor was any neglect shown in the proper representation of the value of Australian timber, precious metals, ores and minerals, preserved animal food, and the excellence of colonial fruits and wines. Amongst these exhibits were a number of splendid samples of colonial tweeds, wools, leather, potteryware, and machinery, all the work of the Victorian artisan and mechanic. Under the system of protection many native industries were flourishing. Immense strides had been made since 1854. Instead of a few hundred skilled hands being employed, as was the case twenty years ago, 22,109 persons found employment in the Victorian manufactories. It is undoubtedly to the establishing of these industries, and the remunerative employment which they afford, that the colony owes a portion of the pre-eminence which it holds in the Australian group. All the neighbouring colonies, in addition to the Straits Settlements, New Caledonia, and the Northern Territory of South Australia, were well represented, and the distant Empire of Japan sent two Commissioners and a large number of exhibits. The exhibition, after remaining open for seventy-six days, was closed on the 16th November. The attendance of visitors had been 240,000, and the cash receipts for admissions amounted to £6384 17s. 3d.

THE HISTORY OF THE MELBOURNE INTERNATIONAL EXHIBITION OF 1880-81.

THE Commissioners appointed to secure the representation of Victoria at the Paris Exhibition, in their first report, which was presented to Parliament in July, 1877, after remarking upon the rapid increase in the material wealth and prosperity of the colony, expressed an opinion that the time had arrived when Victoria could with advantage invite foreign nations to take part in an International Exhibition at Melbourne. The Commissioners pointed out that the people of this and the neighbouring colonies would derive important information from a comparison of foreign exhibits with their own productions, and that such an Exhibition would induce many persons to visit Australia whose presence would prove of great practical value to the national development of Victoria. It was further urged that although five Exhibitions had previously been held in Melbourne, and although the colony had been represented at nearly all the great Exhibitions of the world, no buildings existed which could be utilised for holding an Exhibition in this city. The erection of a permanent and extensive building in a central position, and vested in a body of trustees, was therefore recommended, with the view of arranging for an International Exhibition to be opened in Melbourne about October, 1879.

The proposition made by the Paris Commissioners was favourably entertained by the Ministry of the day, of which the Hon. Graham Berry was Premier, and on the 13th November, 1877, a bill "To Provide for the Holding of Victorian Exhibitions" was introduced in the Legislative Assembly, and passed through without delay, in order that the representatives of Victoria at the Paris Exhibition, 1878, might be enabled to utilise to the fullest extent the aggregation of foreign exhibitors who were expected to be present upon that occasion in the French capital. A most advantageous site—the Carlton Gardens—was selected for the proposed buildings, and the bill provided for an Exhibition of works of industry and art in the year 1879, it being provided that the Commissioners appointed to carry out the Exhibition should have the exclusive control of the grounds and buildings until the end of June, 1880. Owing to the bill failing to pass the Legislative Council, the project was laid aside for several months, but as designs for the proposed buildings had been invited by the Commissioners for the Paris Exhibition, that body was furnished with the funds necessary for the payment of the premiums offered for the three best designs. These premiums—of £300, £200, and £100—were awarded to Messrs. Reed and Barnes, Lloyd Tayler, and P. Matthews respectively.

The proposal to hold an Exhibition, and the probability that it would eventually be held, were brought under the notice of the exhibitors assembled in the French capital, through the President of the Paris Commission, the Hon. J. J. Casey, and the Secretary, Mr. G. C. Levey. Many warm assurances of support and co-operation were received from artists, manufacturers, and producers, residing in nearly every part of the world. In consequence of the renewed representations of the Commissioners for the Paris Exhibition, the bill providing for the holding of Victorian Exhibitions was again submitted to Parliament, and became law on the 14th day of November, 1878. The Victorian Exhibitions Act, 1878, differed in some matters of detail from the original measure, the most important change being that, as the adjacent colony of New South Wales had in the meantime proposed to hold an International Exhibition in 1879, the date for opening the Melbourne Exhibition was fixed for 1st October, 1880.

A portion of the Commissioners had, prior to the passage of the Act, been gazetted for the purpose of carrying out a public Exhibition of works of industry and art in Melbourne in the year 1880, and no time was lost by them in carrying out the necessary details. The site selected for the Exhibition was the Carlton Gardens, comprising an area of about sixty-three acres, over the whole of which the Commissioners were to have exclusive control until the end of September, 1881, after which the central twenty acres two roods four perches upon which the permanent buildings were erected are permanently reserved for Exhibition purposes, and vested in seven Trustees, five appointed by the Government and two by the Corporation of Melbourne, the remaining forty-three acres being restored to the Board of Land and Works and the Corporation of Melbourne. The plans and specifications for the Exhibition Buildings were prepared and duly submitted to Parliament on the 12th November, 1878, together with an estimate of the cost, in accordance with the third clause of the Act. According to the architects' estimate, the cost of erecting the main building, with one machinery annexe, was to be £67,395, a further sum of £4400 being added for the cost of constructing extensive cellarage accommodation, which the Commissioners considered was a necessary adjunct to an Exhibition. The site for the buildings was promptly cleared, and on the 1st December tenders were called, returnable on the 27th January, 1879. The tender of Mr. David Mitchell was accepted, the amount being £70,251, a sum within the amount named in the estimate presented to Parliament.

The foundation-stone was laid on 19th February, by His Excellency Sir George Bowen, G.C.M.G., Governor of Victoria, in the presence of the members of the Ministry and the Executive and Legislative Councils, of the Legislative Assembly, the Commissioners, and at least 10,000 persons.

The Hon. W. J. Clarke, President of the Commission, read the following address:—
To His Excellency Sir George Ferguson Bowen, Knight Grand Cross of the most distinguished Order of Saint Michael and Saint George, Governor and Commander-in-Chief in and over the Colony of Victoria and its dependencies, and Vice-Admiral of the same, &c.

May it please your Excellency—We, the Commissioners for the Melbourne International Exhibition of 1880, desire to assure your Excellency of our continued loyalty and devotion to our beloved Sovereign Queen Victoria, and of our respect for yourself personally, and as Her Majesty's representative in Victoria. Two years ago the proposal to hold an International Exhibition at Melbourne was submitted for your Excellency's consideration, and was approved by you. Although some difference of opinion existed as to the probable utility and success of the undertaking, you were, we believe, constant in your encouragement and support. It is therefore peculiarly gratifying to the Commissioners that your Excellency is enabled to accede to their request and to formally lay the foundation-stone of this building, designed for the display of all that can be achieved by the science, art, and labour of mankind. The place where your Excellency will to-day lay the foundation-stone of a palace of industry was within a generation part of an unknown forest, in an almost unknown land. It is now the site of a populous and well-built city, presenting all the evidences of wealth and civilisation, taking rank with the foremost cities of the world, and surpassing in many respects the capitals of ancient and powerful states. The rapid progress of Australasia is one of the marvels of modern times. But yesterday it was colonised by a few enterprising men, while to-day it possesses an extensive trade and a population of millions. In erecting this young empire in the southern hemisphere, our colonists have obtained the surest success by closely following the example of the mother-country, by jealously adhering to her regard for law, by preserving her national customs, and by maintaining her well-ordered freedom. Though separated from the capital of the empire by the diameter of the globe, loyalty to the throne is as earnest in Melbourne as in Middlesex, and in Sydney as in Surrey. Under the benign rule of our Gracious Sovereign, the colonists of Australasia have been enabled to give uninterrupted attention to the development of its natural wealth and resources, to the establishment of industries and manufactures, to public instruction in all its branches, and to the promotion of the moral and material welfare of its people. In this building the nations of the earth will meet in peaceful competition for the display of their products, manufactures, and works of art, and we are hopeful that the undertaking will afford Australia many useful lessons, will inculcate a spirit of commercial rivalry, and will stimulate her to increased exertions in every branch of industry. Only twenty-seven years have elapsed since the first great exhibition was held in London. Europe and America have since enjoyed the advantage of several similar competitive displays, in nearly

all of which Australasia took part—latterly evoking more than ordinary attention by the evidences of its rapid and solid progress. The invitation to foreign nations to join in our Melbourne Exhibition has been accepted in a generous spirit, and hopes are entertained that the forthcoming display will not only be interesting and instructive, but will also lead to such a friendly sympathy and intercourse as will improve and extend the trade between these colonies and the great continents of Europe, Asia, and America. In conclusion, the Commissioners desire to express their earnest good wishes for the future welfare and happiness of your Excellency, Lady Bowen, and your family.

His Excellency made the following reply :—

Mr. President and Gentlemen of the Commission—I thank you, in the name of the Queen, for this assurance of your continued loyalty and devotion to the person and crown of our beloved Sovereign—the living symbol and link of the unity of the British Empire. On my own behalf, I thank you for your expressions of respect for myself, both officially and personally. In my many visits during the past six years to every district in Victoria, it has ever been a source of gratification to find that loyal and patriotic sentiments prevail throughout this colony, as, indeed, throughout Australasia, and that the presence of Her Majesty's representative is especially welcomed everywhere as affording an occasion for their display. I believe that time will clothe with fresh grace and vigour these national feelings, which add so much strength and glory both to the mother-country and to that "Greater Britain," the United Empire. It has been observed that "the happy inspiration of the genius of the late illustrious and lamented Prince Consort inaugurated, in the year 1851, a new era for exhibiting the state of development of the arts and manufactures of all nations. For the first time in history an admirable opportunity was afforded for instituting a comprehensive comparison of their relative progress in those sciences and inventions which constitute the types of an advanced civilisation. We all know that the splendid conception of His Royal Highness was a brilliant and triumphant success. The impulse it gave to trade was immense. The rapid improvements which subsequently took place in every art and manufacture were everywhere most marked and conspicuous. Abundant proofs of the wonderful extent to which this progress has been carried are apparent to all those who have witnessed the exhibitions of Paris in 1855, 1867, and 1878; of London in 1862; of Vienna in 1873; and of Philadelphia in 1876. The whole world appears to have been stimulated to put forth its utmost energies in waging this vital and critical contest of peace. Each separate community has competed in keen but friendly rivalry to excel every other, and has advanced at railway speed along the road of improvement in the arts and manufactures of its own individual nationality." It has, moreover, been truly said that the pains and cost expended on international exhibitions cannot be in vain, for they place, as it were, on record, for present use and future reference, the arts and inventions, the products and capabilities, of various lands, thus affording the means of comparison between different countries, and determining the localities on which commerce can rely for its supplies, and the fresh channels which it may be expedient to open. The abundant resources of this group of colonies, and the contributions expected from the old world and from America, will render easy the work of collection; it is the task of selection and arrangement which will require experienced judgment and enlightened care on the part of the Commissioners. I trust that the result will show that the forthcoming exhibition will draw attention not only to the great staples of wool and gold, which have hitherto constituted the chief riches of Australasia, but also to many new and valuable products and sources of wealth as yet undeveloped, but which, as population increases, will furnish alike the material and the reward for the exercise of intelligent enterprise and of victorious industry. And here I may express the hope that the display at the exhibitions to be held at Sydney this year and at Melbourne next year, of the collective products of the Australasian colonies, may prove a foreshadowing of that intercolonial federation which is the aspiration of every wise and patriotic colonist. These forthcoming exhibitions can hardly be deemed premature, when it is recollected that Australasia, if federated, like Canada, in one Dominion, in loyal allegiance to the Crown, would at once rank, in point of wealth and commerce, among the ten or twelve foremost nations of the world, for it would have an aggregate annual revenue of above 16 millions sterling, and an aggregate trade exceeding in value 90 millions. It has been already said that the idea of holding an international exhibition was originally the happy inspiration of the late Prince Consort—the "silent father of our kings to be." Let us hope that the opening of the Melbourne International Exhibition may be graced by the presence of his son—the heir of England and of the British Empire. It is well known that the success of the recent exhibition at Paris was due in no slight degree to the personal tact and energy of the Prince of Wales; that His Royal Highness paid special attention to the contributions from the colonies; and that he is animated by a desire to visit in person, should high reasons of State permit it, our Australasian colonies, as he has already visited India and Canada. Meanwhile, I am proud, on the eve of my departure from that Australasia which I love so well, and in which I have spent nearly twenty years—the best, the happiest, and, I trust, not the least useful years of my life—as Governor successively of the great colonies of Queensland, New Zealand, and Victoria, to inaugurate, at the

request of the Commissioners, the construction of the noble building destined to hold the Melbourne International Exhibition. That building will be completed under the auspices of my distinguished successor, the Marquis of Normanby. I earnestly pray that this exhibition building, together with the railways and the various other public works commenced during my administration in Queensland, in New Zealand, and in Victoria, may realise the expectations of the Governments and Parliaments which sanctioned them, and endure through the great future of Australasia as sources of permanent and ever-increasing prosperity.

Melbourne, 19th February, 1879.

G. F. BOWEN.

The contract was originally entered into for the erection of one large permanent hall and machinery annexe; but subsequently it was decided, in view of the demand for space being larger than was at first anticipated, that provision should be made for the erection of additional buildings of a temporary character extending northwards. In order to give effect to this portion of the scheme, the position of the machinery annexe was altered so that the temporary courts when constructed should form a continuation of the courts within the main building. A proportionate increase was anticipated in the space required for exhibits of machinery; and, in order to impart uniformity to the design, it was decided to erect two, instead of one, machinery annexes, running parallel with Nicholson and Rathdowne streets, and forming with the main building three sides of a square, the temporary courts filling up the quadrangle, and extending as far northwards as the requirements might demand. The Commissioners also decided upon substituting brickwork for wood in the dome, a change which necessitated an advance on the contract of £7781; but the increased stability of the building, and its greatly improved appearance, more than compensated for the extra expenditure. The difference in the cost of temporary and permanent machinery annexes was shown to be comparatively trifling, and it was, therefore, decided to construct them of brick, stuccoed, to correspond with the permanent hall. The total amount of the contract was increased by this alteration to £87,740. Although not following the historical sequence of the proceedings of the Commissioners, it may be as well to state here that the applications for space were far larger than was at first anticipated. The original buildings only provided for 243,658 feet of space; but various additions and enlargements were from time to time determined upon. The Commissioners, upon the recommendation of the Secretary, made provision, in the middle of 1879, for 543,658 feet of space; and this was added to from time to time, as the demands made by Great Britain, by foreign countries, the neighbouring colonies, and the manufacturers of Victoria, grew larger and larger. So late as the early part of 1880 the United States Government made a formal application, through the Secretary of State for Foreign Affairs, for 35,000 additional feet of space, and at the same time the British agricultural implement-makers applied for 20,000 feet additional floor space. The magnitude of the display made by Germany and Austria induced the Commissioners, a few weeks before the Exhibition opened, to construct annexes specially for the accommodation of the exhibitors of those nations for whom room could not be found in the main hall, and a special machinery annexe was constructed by and at the expense of the Government of Germany. The buildings, as finally completed, consisted of—

The permanent nave, 500 feet long and 160 feet wide, with galleries and large cellars.

Two permanent annexes, 460 feet long and 138 feet wide.

One main temporary hall, 820 feet long and 490 feet wide.

A temporary annexe for British machinery containing about 21,000 square feet of space.

German and Austrian annexes containing about 20,000 feet of space.

There were, in addition, spaces outside, reserved for machinery and agricultural implements, refreshment-rooms, kiosks, buildings showing the working of the Victorian school system, offices for the administration of the Exhibition, for the

customs, police, and post-office, a hospital, retiring rooms, &c., &c., so that the total space occupied was about 907,408 feet—the space originally proposed under what was termed the C scheme.

The total cost of the buildings was £246,365 3s. 6d., of which the permanent building cost £132,950 12s. 8d.; the temporary annexes, £83,111; gardens, £18,481 4s. 8d.; machinery, £5714 19s.; organ, £5560 9s.; miscellaneous, £546 18s. 2d. Plans showing the buildings, temporary and permanent, the apportionment of space amongst the countries and colonies exhibiting, and the manner in which the Carlton Gardens were laid out, are given in this volume.

The Commissioners decided upon improving the appearance of the Carlton Gardens. The portion between the buildings and Victoria-street was planted with valuable trees; lawns and flower-beds were constructed; the paths asphalted, and the whole grounds were surrounded with a substantial iron fence. The whole management of the gardens was placed under the control of a Gardens Committee, with the Hon. J. Munro, M.P., chairman; and the work was let by contract to Mr. Sangster.

The Commissioners originally selected were supplemented by others appointed from time to time by the Government of the day, but no alteration was made in the system by which the business of the Commission was in the first instance conducted. The whole body was divided into a number of Committees, each of which had charge of one department of administration, and reported from time to time to the Executive, which, in its turn, reported its proceedings once a month to the whole body of the Commissioners. The plan worked extremely well, and notwithstanding the large number of Commissioners there was little or no conflict of jurisdiction. Much of the success of the Exhibition was due to the wisdom and energy of the different Committees, more especially to the manner in which the Executive and Finance performed their multifarious and important duties, and to the tact and temper shown by the Hon. W. J. Clarke, M.L.C., President, the Hon. J. J. Casey, C.M.G., Executive Vice-President, the Hon. J. Munro, M.P., Vice-President, and the Hon. W. M. K. Vale, M.P., Treasurer, all of whom were unwearied in their attendance.

Shortly after the passing of the Act, it became necessary to appoint a Secretary, and the position was offered to Mr. G. C. Levey, C.M.G., then representing this Colony at the Paris Exhibition, and who had acted as Secretary to the Commissioners for the London and Vienna Exhibitions of 1873, and the Philadelphia Exhibition of 1876. Immediately after his acceptance of the appointment, the Secretary took steps to bring the forthcoming Exhibition under the notice of the manufacturers and producers of Europe, and placed himself in communication with the various municipalities and Chambers of Commerce throughout Europe and America. Upon the 24th January, 1879, immediately after the official announcement of the passage of the Exhibition Act, and of his appointment as Secretary, had reached Europe, Mr. Levey urged upon the Right Honourable the Secretary of State for the Colonies the advisableness of appointing a Royal Commission to assist with its advice and co-operation, and generally to promote the success of the Exhibitions which were to be held in Sydney and Melbourne. The suggestions met with the approval of Sir Michael Hicks-Beach, Bart., and His Royal Highness the Prince of Wales was graciously pleased to express his willingness to accept the position of President. On 5th April a Royal Commission was gazetted, including the names of H.R.H. the Prince of Wales, K.G., President; the Duke of Richmond and Gordon, K.G., the Duke of Manchester, K.P., the Marquis of Salisbury, K.G., the Earl of Carnarvon, the Earl Cadogan, the Earl of Belmore, K.C.M.G., the Earl Granville, K.G., the Earl of Kimberley, Sir Michael Hicks-Beach, Bart., the Right Hon. H. C. E. Childers, F.R.S., Sir Daniel Cooper, Bart., Sir John Rose, Bart., G.C.M.G., Sir J. D. Hooker, K.C.S.I., C.B., Sir P. Leighton, Messrs. R. S. Owen, C.B., F.R.S.,

S. Morley, and W. W. Smyth, F.R.S., Commissioners, with Mr. T. A. Wright, Secretary. Mr. Levey had previously received letters from the Foreign Office to the Ministers of Great Britain at the various European Courts, and he paid several visits to France, Holland, Belgium, Wurtemberg, Prussia, Saxony, Austria, and Italy, in the interests of the Exhibition.

Immediately after the return to Victoria of the Secretary, an estimate was prepared of the probable expenditure necessary to carry out the Exhibition on three different scales. Deducting probable receipts, and allowing ten per cent. for unforeseen expenses, the three schemes may be briefly summarised as follows :—

Scheme A, affording 243,658 feet of space, £137,895.

„ B „ 543,648 „ £218,735.

„ C „ 907,408 „ £269,500.

The Government decided upon the B scheme, with some modifications, but additions were subsequently made in consequence of the large demands for space, and the Exhibition, when it opened, was upon a scale of magnitude about as large as was contemplated under the C scheme. Twelve months later, and before the full extent of the additional buildings was determined upon, the Treasurer, the Hon. W. M. K. Vale, M.P., estimated the cost of the Exhibition to the State at £250,306, credit being taken for a sum of £50,000 realisable from admissions. The Exhibition was upon a larger scale than was anticipated by Mr. Vale, and, out of deference to the wishes of the Foreign Commissioners, it was not opened at night, as was originally intended and provided for, but the net cost to the consolidated revenue of the Exhibition will, when all the accounts are wound up, be between £249,000 and £250,000. This balance includes the payment by the Government on behalf of the Trustees of the Exhibition Buildings of £4000, the estimated value of the furniture and plant in the building when they took possession on 3rd October, 1881.

Energetic measures were taken to circulate the programme of the Exhibition, and the regulations issued by the Commissioners, throughout the whole of the civilised world, and to bring them before the notice of all nations through the medium of Her Majesty's representatives in different foreign nations and British colonies. The Secretary left Victoria in August, 1879, and travelled all over North America and Europe on the business of the Exhibition, returning in June, 1880. The efforts of the Commissioners were also ably aided by the British Royal Commission, and by the London Committee of their own body, under the presidency of the Right Hon. H. C. E. Childers, M.P., F.R.S., Secretary for War.

Meanwhile, rapid and satisfactory progress was made in the permanent building and the various additions which were from time to time determined upon. The Building and Machinery Committees (the late Mr. A. K. Smith, M.P., chairman) made energetic efforts to push on the work, and they were so ably seconded by the architects and contractors—Mr. David Mitchell in the permanent, and Messrs. Walker and Halliday in the temporary buildings—that all was ready upon the 1st July, when the Exhibition was declared open for the reception of exhibits, which commenced to pour in with great rapidity.

To facilitate operations, massive timber framework had been erected at the goods entrances in Nicholson and Rathdowne streets, on which travelling winches lifted the cases from the lorries and placed them on trucks running on tramways which traversed all parts of the interior of the annexes. The most ponderous articles were thus easily and expeditiously deposited on the sites where they were to be displayed, and the various courts soon began to assume an orderly appearance.

A large organ was constructed by Mr. George Fincham, in order to give greater effect to the opening ceremonies, and a cantata—the words by Mr. Meaden, and the music by M. Caron—was selected by the Ceremonial Committee (Sir S. Wilson, M.L.C., chairman).

Great efforts were made to have the Exhibition ready by the opening day, and the Commissioners were highly gratified at the forward state of all the courts upon that occasion. The Fine Arts Committee, Sir George Verdon, K.C.M.G., C.B., chairman; the Mining and Minerals Committee, Mr. J. A. Panton, P.M., chairman; the Animal Products, Sir S. Wilson, M.L.C., chairman; the Great Britain Committee, Hon. J. J. Casey, C.M.G., chairman; the Vegetable Products, Mr. Bosisto, M.P., chairman; the Manufacturers Committee, Hon. W. M. K. Vale, M.P., chairman; and the Districts of Victoria, Hon. W. Wilson, chairman, were unwearied in their exertions, and the whole of the arrangements of the Commissioners had been completed some weeks before the 1st October. Some exhibits for the British Court did not arrive in time, through the stranding of the "Sorata;" the United States did not make the appearance they contemplated in consequence of the loss of the "Eric the Red;" and it was not for some days after the opening that the arrangements of the Austrian, Fijian, German, and Italian Courts were quite complete; but it may safely be said that there had never been an exhibition since that at Hyde Park in 1851 at which all the arrangements were in a condition so perfect, or at which the exhibitors had worked so hard to second the exertions of the Commissioners and their officers.

The following countries were officially represented by the following Commissioners:—

Austria ...	...	...	Victor Schönberger, K.C.F.J.
Belgium	...	...	Chev. Gustav Beckx
France ...	...	...	Chev. J. Belcour
New Caledonia and Algiers			W. J. Daly, Esq.
Germany	...	...	Dr. Francis Reuleaux
Italy ...	...	...	Cav. A. de Goyzueta, Marchese di Toverena
Japan ...	...	...	Hideharu Kawase
Netherlands	...	...	Chev. D. Ploos van Amstel
Switzerland	...	...	M. Ernest Eugster
United States of America	...	...	O. M. Spencer, Esq.
United Kingdom ...	...	...	Colonel Sir Herbert Sandford, R.A.
British India	...	...	E. C. Buck, Esq.
Ceylon	...	...	A. M. Ferguson, Esq.
Mauritius	...	...	Sir S. Wilson, M.L.C.
Straits Settlements	...	...	Major Clementi
New South Wales	...	...	Dr. Renwick, M.P.
Tasmania	...	...	C. M. Officer, Esq., M.P.
Western Australia	...	...	Hon. Malcolm Frazer, M.L.C.
South Australia	...	...	Samuel Davenport, Esq.
New Zealand	...	...	Dr. Hector, C.M.G.
Queensland	...	...	Hon. George King
Fiji ...	...	...	W. K. Thomson, Esq.

The following countries, although not officially represented, had forwarded exhibits:—

China
Denmark
Norway
Portugal
Russia
South African Settlements
South Sea Islands
Spain
Manilla
Sweden
Turkey

The exhibits from these countries were placed in a special court, under charge of the Committee for Europe, Asia, and Africa (the Hon. J. J. Casey, C.M.G., chairman).

The total number of exhibitors was 12,792, and there were about 32,000 exhibits. The number of exhibitors and exhibits from each country is as follows:—

	EXHIBITORS.				EXHIBITS.	
Austria	...	...	...	373	...	852
Belgium	...	...	...	327	...	817
France	...	...	...	1,106	...	2,765
New Caledonia and Algiers	...	...	...	40	...	100
Germany	...	...	...	963	...	2,407
Italy	...	...	...	888	...	2,220
Japan	...	...	...	168	...	420
Netherlands	...	...	...	79	...	197
Switzerland	...	...	...	52	...	155
United States of America	...	...	...	366	...	915
United Kingdom	...	...	...	1,379	...	3,447
British India	...	...	...	1,172	...	2,950
Ceylon	...	...	...	818	...	2,045
Mauritius	...	...	...	98	...	245
Straits Settlements	...	...	...	97	...	252
New South Wales	...	...	...	419	...	1,047
Tasmania	...	...	...	258	...	645
Western Australia	...	...	...	149	...	372
South Australia	...	...	...	330	...	820
New Zealand	...	...	...	629	...	1,562
Queensland	...	...	...	587	...	1,467
Fiji	...	...	...	285	...	612
Victoria	...	...	...	2,130	...	5,325
China	...	...	...	20	...	50
Denmark	...	...	...	8	...	18
Norway	...	...	...	7	...	17
Russia	...	...	...	1	...	3
South African Settlements	...	...	...	24	...	60
South Sea Islands	...	...	...	1	...	25
Spain, Portugal, and Colonies	...	...	...	5	...	13
Sweden	...	...	...	10	...	25
Turkey	...	...	...	3	...	8
Total				12,792	...	31,856

The Exhibition was opened on 1st October, 1880, by His Excellency the Governor, in the presence of the Governors of the various Australian colonies, His Grace the Duke of Manchester, K.P., the British and Foreign and Colonial Commissioners, Her Majesty's Ministers, the members of the Executive and Legislative Councils, the judges of the Supreme Court, the members of the Legislative Assembly, the foreign consuls, the captains and officers of the British, French, German, and Italian men-of-war in port, the permanent officers, naval, military, and civil, of the local Government, a large and representative gathering of the trades of Melbourne, and a numerous and brilliant assemblage, by whom the nave of the building was filled. The gentlemen wore full dress, and the ladies morning costume. The day had been proclaimed a general holiday by the Government, and, as great public interest was taken in the event, the city was thronged with thousands from the suburbs and the country, making an aggregation of population that had rarely before been assembled in Melbourne. Business was generally suspended, and flags were displayed from the buildings in the principal streets and on the shipping lying at the wharves. By eight o'clock in the morning large crowds had assembled in the

streets forming the route of the procession, and every place from which a good view could be obtained was soon occupied. Whilst the associated trades were gathering at their hall in Victoria-street, and the fire brigades near the Tank Reserve on the Eastern Hill, the naval forces arrived at the Queen's Wharf by the steamers "Resolute," "Williams," and "Warhawk." Having been formed into battalion order, the sailors were marched by Market-street into Collins-street, and thence by Spring-street to the Exhibition. Their march through the city was one of the finest spectacles of the day. They numbered about eight hundred rank and file, and trod along with admirable precision and regularity. The "Cerberus" brass band led the way. Then came the Victorian Naval Brigade, followed by contingents of sailors and marines from the British war-ships "Wolverene," "Cormorant," and "Emerald," and of sailors from the French, German, and Italian war-ships "Finistère," "Nautilus," and "Europa." The varied uniforms and military bearing of all the men gave the battalion a very picturesque appearance, and the effect was heightened by the martial music which was contributed at intervals by a band of buglers, who occupied a position in the centre of the line. They passed up Collins-street at half-past nine o'clock, and marched on to the Exhibition-building. About nine o'clock the volunteer forces mustered at the Victoria Barracks, St. Kilda-road, and the rolls having been called, they were formed into battalions. At twenty minutes to ten they marched in excellent order by Swanston, Collins, and Spring streets to the Exhibition. Colonel Anderson, C.M.G., the commandant, and staff, rode at the head of the column. The following shows the number of all arms present, and the order in which they were arranged :—

CORPS, &c.					Officers.	Sergeants.	Rank and File.	Total.
General staff	..	..	..	..	12	20	..	32
Victorian Artillery	..	..	..	..	1	4	100	105
Local naval forces	..	..	..	..	10	18	366	394
CAVALRY ESCORT.								
Metropolitan troop and Southern troop	..	..			4	4	42	50
FIELD ARTILLERY.								
East Melbourne corps	..	..	..	..	6	8	68	82
St. Kilda corps	..	..	..	..	3	13	90	106
Metropolitan corps	..	..	..	..	2	12	89	103
GARRISON ARTILLERY (No. 1).								
Williamstown corps	..	..	..	..	3	6	107	116
GARRISON ARTILLERY (No. 2).								
Emerald Hill corps	..	..	..	..	6	7	100	113
Engineer corps	..	..	..	..	4	6	126	136
Torpedo and Signal corps	..	..	..	..	2	..	12	14
RIFLES.								
<i>1st Metropolitan Battalion.</i>								
Metropolitan corps	..	..	..	..	4	6	96	106
Carlton corps	..	..	..	..	5	7	111	123
<i>2nd Metropolitan Battalion.</i>								
Collingwood corps	..	..	..	..	6	3	112	121
East Collingwood corps	..	..	..	..	5	6	83	94
Richmond corps	..	..	..	..	4	6	100	110
Southern corps	..	..	..	..	5	5	74	84
Detachments from country corps—Officers, non-commissioned officers, and 15 privates each allowed to attend the parade					..	..	..	270
Grand total					..	..	..	2159

Following this naval and military display came the procession proper. The associated trades having assembled at their hall in Victoria-street were marshalled into order by Mr. Gration and his sub-marshals, and started with banners flying and bands playing down Russell-street. The fire brigades met at about the same time near the Tank Reserve on the Eastern Hill, and having been marshalled by Superintendent Hoad, joined the associated trades in Spring-street. When the trades procession reached the Treasury they halted, and the bands played the National Anthem. The following is the order, and an approximation of the numbers in which the procession ascended Collins-street :—

Trades Committee	...	...	...	...	...	70
City of Fitzroy Brass Band	...	...	...	...	...	20
Ironmoulders	...	...	...	...	...	360
Bootmakers	...	...	...	...	...	490
Richmond Fife and Drum Band	...	...	...	...	...	40
United Labourers' Society	...	...	...	...	...	80
Victorian Brickmakers	...	...	...	...	...	50
Mill Sawyers	...	...	...	...	...	150
Brown's Brass Band	...	...	...	...	...	15
Cabinetmakers	...	...	...	...	...	150
Boilermakers	...	...	...	...	...	160
Brickmakers' Fife and Drum Band	...	...	...	...	...	30
Bricklayers	...	...	...	...	...	100
Carpenters and Joiners	...	...	...	...	...	260
Brunswick Brass Band	...	...	...	...	...	30
Amalgamated Society of Engineers	...	...	...	...	...	220
Sailmakers	...	...	...	...	...	30
Seamen's Union and Brass Band	...	...	...	...	...	170
Melbourne Gas Stokers	...	...	...	...	...	60
Quarrymen	...	...	...	...	...	100
City of Fitzroy Drum and Fife Band	...	...	...	...	...	40
Operative Plumbers' Society	...	...	...	...	...	50
Port Phillip Shipwrights' Society	...	...	...	...	...	100
Williamstown Brass Band	...	...	...	...	...	20
Operative masons, bookbinders, plasterers, &c.	...	...	...	...	...	200
Hallas's Brass Band	...	...	...	...	...	40
Firemen of city and suburban brigades	...	...	...	...	...	250
Total number	...	...	...	...	...	3285

Shortly before eleven o'clock His Excellency the Marquis of Normanby, G.C.M.G., and his distinguished visitors, with their suites, left Government-house, and a salute of seventeen guns was fired from the Prince's-bridge battery announcing their departure. The Vice-regal party drove in seven carriages, and besides His Excellency and the Marchioness of Normanby, there were Lord Augustus Loftus, G.C.B., Governor of New South Wales; Sir Wm. F. D. Jervois, G.C.M.G., C.B., Governor of South Australia; Sir Wm. Robinson, K.C.M.G., Governor of Western Australia; and Sir Francis Smith, Acting-Governor of Tasmania, with their ladies and suites; Commodore J. C. Wilson, of H.M.S. corvette "Wolverene," and His Grace the Duke of Manchester. They were escorted by troops of the Victorian Volunteer Light Horse, and, having passed between the lines formed by the trades' societies, they then headed the procession, and proceeded to the Nicholson-street entrance of the Exhibition grounds.

On arrival at the principal entrance of the main Exhibition-building, the Governor and his party were received by the Hon. W. J. Clarke, M.L.C., the Presi-

dent of the Exhibition Commission, the Vice-Presidents, the Treasurer, the Executive Committee, and the Secretary ; and were conducted by them to seats on a dais erected at the intersection of the nave and transept under the dome ; Captain Maxwell, of H.M.S. corvette "Emerald ;" Commander Bruce, of H.M.S. sloop "Cormorant ;" Chevalier Augey Dufresse, captain of the French man-of-war "Finistère ;" Captain Chünden, of H.I.M.S. gunboat "Nautilus ;" Cavaliere Cesare Romano, of the Italian war steamer "Europa," being also seated thereon.

In the front of the grand organ a gallery had been erected, on which were arranged several hundreds of choristers and musicians, and as soon as the Vice-regal party had been seated, "God Save the Queen" was sung by solo vocalists and the choristers. This was followed by the performance of a cantata, written for the occasion by Mr. J. W. Meaden, and sung to music composed by M. Caron. The cantata was as follows :—

PART I.—THE PAST.

The Argument.—Victoria, sleeping amidst the primeval solitudes, is aroused by voices which foretell the speedy discovery and settlement of the country, and presently the songs of the mariners are heard as they make their way across the ocean to the, as yet, undiscovered land—

In slumbers deep—where branching fern-trees wave,
And Austral seas the long, low beaches lave,
Where, fringed with reeds, the silent, lone lagoon,
Reflects the starry cross and crescent moon,
With garner'd sweetness in her peaceful breast
The fair Victoria lies too long at rest.

O summer land of silence,
O land of beauty rare,
Where solitude lies brooding
O'er hills and valleys fair.
Where silent streams are stealing
O'er each untrodden plain,
And the lonely shores but echo
The sigh of the surging main.

On thy sweet peace intruding
The old world soon will pour
An army, vast and busy,
Forth from its teeming shore.
And to thy pleasant harbours,
That now all lonely lie,
"As the doves unto their windows"
Shall the white-winged vessels fly.

Then, fair South Land, no longer
Thy coasts shall silent be,
The merry voice of laughter
Shall echo songs of glee.
Then busy sounds of labour,
Shall rise on the summer air,
And sweetly chime the Sabbath bell,
That calls to the house of prayer.

THE MARINERS' SONG.

Our northern homes we leave behind,
To seek some golden strand,
Our sails we trim to catch the wind,
And steer for the Southern Land.
O'er glittering seas we gaily glide
Where the sunbeams dance on the laughing tide.
When storms arise their wrath we brave,
Nor fear the lightning's flash,
Though madd'ning winds around us rave,
And the surging billows dash,
O'er unknown seas we fearless sail
Where the Storm-fiend rides on the hissing gale.

PART II.—THE PRESENT.

The Argument.—Victoria discovered engaged in various pursuits—pastoral, agricultural, industrial, &c.—is approached by a company of nymphs, representing the various nations of the earth. They hail her with acclamation as the “Queen of the South;” Victoria responds with a jubilant song of welcome, and, as she leads her guests to the banquet, the people burst forth into a patriotic hymn, with which the cantata concludes.

Now, on the grassy plains the browsing flocks descend,
While Ceres’ toiling swains her fruitful reign extend;
Deep in the gloomy mine the digger seeks his prize;
’Neath Labour’s sway benign the fair domed cities rise;
And all around we see a power subdue the land,
A power from God that nerves the toiler’s willing hand.

CHORUS OF THE NATIONS.

From distant shores we come to greet
With loud acclaim, our sister sweet,
And hail her, as with queenly grace
Amidst our band she takes her place,
“Queen of the Southern Seas.”

VICTORIA’S SONG OF WELCOME.

O golden day of glory! O chrysolite of time!
Now fly all shadows hoary before a dawn sublime,
Now clad in golden sunlight a bride adorn’d I stand,
My dowry, England’s birthright, her banner in my hand
O welcome! Sisters gracious, and friends from every land!
My heart warms at your coming to this bright and sunny strand.
My banquet-hall is furnished, my table richly spread,
The grand old flag, with star-gems deck’d, gleams brightly overhead
Wave, wave your silken banners! your silver trumpets blow!
Sing, sing your loud hosannas! that all the world may know
This day is born a Nation, ’neath England’s banner free,
That, like a constellation, flames o’er the Southern Sea.

HYMN.

O Thou, whose arm hath for our fathers fought,
Whose guiding hand their sons has hither brought
Lead onward, till Australia’s land shall rise
A Greater Britain, ’neath these Southern skies.
With bounteous hand our fields with plenty bless,
Increase our flocks, our homes with peace possess;
Make wise our rulers, and in righteous ways
Guide Thou our feet, to Thine eternal praise.

At the conclusion of the performance of the cantata, the address of the Commissioners to the Governor was presented by the Hon. W. J. Clarke, M.L.C., who was accompanied to the dais by the Hons. J. J. Casey, C.M.G., Executive Vice-President; Sir Bryan O’Loghlen, Bart., M.L.A., Sir George Verdon, K.C.M.G., C.B., Sir Samuel Wilson, M.L.C., and Hon. J. Munro, Vice-Presidents of the Commission; the Hon. W. M. K. Vale, M.L.A., the Treasurer; and Mr. G. C. Levey, C.M.G., the Secretary. The address was as follows:—

My Lord Marquis—As Commissioners appointed under the great seal of the colony for the purpose of taking the necessary measures for holding an International Exhibition of arts and industries in Melbourne during the present year, we desire to welcome your Excellency with all dutiful respect, and to convey to you, as the representative of Her Most Gracious Majesty, the expression of our loyalty and devotion to Her Majesty’s Crown and person.

The Commissioners appointed to promote the representation of Victoria at the Paris Exhibition of 1878, in their first report presented to Parliament, after commenting on the rapid increase in the material wealth and prosperity of the colony, expressed an opinion that the time had arrived when Victoria could, with advantage, invite all the nations of the world to take part in an International Exhibition at Melbourne.

The proposition was favourably entertained by the Government, and the then Premier, the Hon. Graham Berry, requested the Paris Commissioners to take all the necessary steps to give effect to their proposal, pending the passing of an Act of incorporation and the gazetting of an International Exhibition Commission. Acting upon this request, immediate action was taken; the site for the building in Carlton Gardens, upon which we are now assembled, was chosen, and the design for the structure adopted. This site comprises an area of sixty-three acres, of which the Exhibition covers about thirty, being larger than that of the first Great Exhibition held in London in the year 1851.

On the 14th of November, 1878, the Bill providing for holding the Melbourne International Exhibition was approved by the Legislature. The Commissioners were then gazetted; the work of the Paris Commissioners was handed over to them, and by them approved.

The foundation-stone was laid on the 19th February, 1879, by His Excellency Sir George Fergusson Bowen, G.C.M.G., then Governor of Victoria, in the presence of Lady Bowen and a distinguished assemblage, invited to witness the ceremony.

The undertaking, once entered upon, was supported heartily by the people of this colony, and the proposal was received elsewhere most graciously. The first expectations were very modest, in comparison with what has been actually realised. The interest taken in the Exhibition by foreign nations, stimulated by the patronage of the Imperial Government, and by the experience gained at the preceding exhibition at Sydney in 1879, has forced your Commissioners from time to time to expand the dimensions of the building, until the available space is now about four times the area originally contemplated.

At the suggestion of the Imperial Government, which appointed a Royal Commission, with the Prince of Wales as President, and which is officially represented here, the Governments of Austria, Belgium, France, Germany, Holland, Italy, Japan, Switzerland, the United States, British India, Ceylon, Mauritius, Straits Settlements, New South Wales, Tasmania, Western Australia, South Australia, New Zealand, Queensland, New Caledonia, and Fiji, have appointed representatives to your Excellency at this Exhibition; and most of them have expended large sums in bringing the arts and industries of their people before the notice of the inhabitants of Australasia. Other countries, not officially represented by Commissioners, are also exhibiting their various products.

Your Commissioners desire to draw the attention of your Excellency to the contrast presented by the scene here displayed and that which existed less than forty-five years ago where Melbourne now stands. Then it was an unknown part of a comparatively unknown land. The colony itself has grown into existence during the reign of our beloved Queen, whose name it bears. To-day you are opening an International Exhibition in a large city, where you are surrounded by the accredited representatives of the great nations of Europe, Asia, and America, and articles illustrating the growth, produce, manufactures, arts, and sciences of the whole world, while this assemblage testifies not only to the wealth and culture but to the energy and enterprise of the colonists.

Your Commissioners desire, through your Excellency, to express to the Governments of this and the various countries and colonies here represented their sense of the obligation conferred upon the people of Victoria by the magnificent collections forwarded for exhibition, and for the great assistance which has been most generously given. They desire, further, to express their obligation to the Governments of this and the other Australian colonies for the facilities afforded by the free use of the electric telegraph, and the free transit of goods by railway; and to the Parliament of Victoria for the liberality with which it has voted the necessary funds for carrying out this great enterprise.

Grateful recognition is also due to corporations and associated bodies for the valuable assistance they have afforded.

Our thanks are also due to the exhibitors from all parts of the world for the splendid display to which we propose immediately to invite the attention of your Excellency.

Some idea of the magnitude of this Exhibition may be formed from the Official Catalogue, a copy of which we have the honour to present for your acceptance.

Your Commissioners further desire to state that, in discharge of the onerous and important duties with which they have been entrusted, it has been their constant aim to work in harmony with each other, and with those to whom the discharge of similar duties elsewhere has been confided. They venture to hope that their efforts will tend to draw into a closer union their countrymen in all parts of the world, fellow-subjects of the illustrious Sovereign who reigns with a benignant sway over this vast empire, which has been consolidated as much by her just and temperate sovereignty as by the wisdom of her advisers.

Your Commissioners trust that, under the blessing of Divine Providence, their labours may be successful, and that the Melbourne International Exhibition of 1880 may serve to carry out the wise, patriotic, and philanthropic desires of the late lamented Prince Consort, by whom international exhibitions were first inaugurated in Great Britain.

On behalf of my fellow-Commissioners, I have now the honour to request that your Excellency will declare the Melbourne International Exhibition to be open, in the name of Her Most Gracious Majesty Queen Victoria.

His Excellency replied as follows :—

Gentlemen—As the representative of Her Most Gracious Majesty, I receive with profound satisfaction the expression of your devotion to Her Majesty's throne and person.

The idea of holding in the city of Melbourne, this year, an international exhibition, is alike creditable to the Victorian Commissioners at the exhibition in Paris, who suggested, and to the Executive and Parliament which adopted it, and provided for its complete success by most liberal grants.

To many unacquainted with the rapid growth of Victoria and the indomitable energy of its people, the idea of inviting the nations of the earth to a competitive display of arts, science, mining, manufactures, and pastoral and agricultural products, might appear premature, and the response from the nations might fairly have been awaited with deep interest, not unmixed with anxiety. The fear, if it ever existed, that the invitation of this colony would be imperfectly responded to, has passed away; and the display of industry and art within these walls, gathered from every quarter of the known world, is one that any country might be proud of.

The foresight, energy, and ability displayed in all the details of this important undertaking reflects the highest credit upon the community.

The Imperial Government promptly and cordially co-operated in the work by appointing a Royal Commission, and His Royal Highness the Prince of Wales kindly consented to accept the office of President; and I am glad to hear that foreign countries have so completely responded to this example that it is now an assured fact that the International Exhibition of 1880 will take equal rank with its predecessors as a satisfactory exponent of the world's industries. It must be a source of legitimate pride to you, gentlemen, as well as to the Government and people of Victoria, that a colony which has had only thirty years of self-government, and the territory comprised in which was an unknown land less than half a century ago, has been enabled by the wealth of natural resources, the wisdom of its laws, and the enterprise, intelligence, and industry of its population, to bring to a successful completion this grand project.

I esteem it a high honour that, as a representative of my Most Gracious Sovereign, it is my good fortune to take part in this patriotic work, so well and ably commenced by my predecessor, Sir George Bowen, whose sympathy and co-operation have been well and wisely displayed.

It will be my pleasing duty to convey to the Governments of those countries and colonies who have responded to the invitation of Victoria, by sending collections of their varied national resources, that feeling of obligation and satisfaction which you express in your address. I accord also hearty recognition of the prompt co-operation of corporations and associated bodies, as well as to the harmonious spirit in which you, gentlemen, have performed the very onerous duties imposed upon you.

I sincerely join in the hope that you express as to the beneficial result of your labours, and trust that the Melbourne International Exhibition of 1880 may aid in this new world to illustrate, enforce, and extend the wise and philanthropic views of the Prince Consort, whose thoughts and actions during his lifetime have had such enduring influence on the progress, peace, industry, and comfort among the nations of the world. And I pray that the Almighty may bless and prosper this great undertaking.

In the name of Her Most Gracious Majesty Queen Victoria, I declare the Melbourne International Exhibition now open.

The following telegram, for transmission to the Queen, was then handed to the superintendent of telegraphs :—

To the Queen, Buckingham Palace, London.

The Marquis of Normanby presents his humble duty to the Queen, and has much pleasure in informing Her Majesty that he has just opened in Her Majesty's name the Melbourne International Exhibition—the last of the series of great enterprises inaugurated by the Prince Consort. The attendance was very large and enthusiastic, and the success of the undertaking far exceeds the most sanguine anticipations.

NORMANBY.

The Exhibition Building, Melbourne, 1st October, 1880.

The "Hallelujah Chorus," sung with great effect, concluded the ceremony.

The Marquis of Normanby, accompanied by Lord Augustus Loftus, Sir William F. D. Jervois, Sir William Robinson, Sir Francis Smith, the Duke of Manchester, and escorted by the President, Vice-Presidents, Treasurer, and Secretary of the Commission, then paid a visit of inspection to the courts in the main avenue. The leading representatives of each court were successively introduced to His Excellency and his distinguished companions. The visit was merely formal, and very brief.

In the morning of the next day, Saturday, 2nd October, His Excellency the Governor received the following telegram from Her Majesty the Queen, in reply to the telegram forwarded to Her Majesty on the opening of the Exhibition :—

Balmoral, 1st October, 9.5 a.m.

I thank you sincerely for your most satisfactory telegram, and wish all possible success to the Exhibition.

THE QUEEN.

A telegram, conveying similar information, having been forwarded to His Royal Highness the Prince of Wales, the following reply was received by His Excellency the Governor:—

London, 4th October, 1880, 2.35 p.m.

To Marquis of Normanby.

Many thanks for telegram. Am very glad to hear opening of Exhibition went off so well, and that everything was such a great success.

WALES.

An official dinner, in connection with the opening of the Exhibition, was given on the evening of that day by His Excellency the Marquis of Normanby at Government House. There were over sixty guests present, including the Governors of the various Australian colonies, their families and suites, the Executive Commissioners of the countries and the colonies represented in the Exhibition, with the President, Vice-Presidents, Treasurer, and Secretary of the Commission, the Chief Justice, the Bishop of Melbourne, the President of the Legislative Council, the Speaker of the Legislative Assembly, the Chief Secretary and other members of the Ministry, the commanders of the ships of war in port, and other distinguished gentlemen. Two nights afterwards a second State dinner, and on the 6th October a State ball, in celebration of the opening of the Exhibition, were given at Government House. The opening of the Exhibition was signalled by a series of official entertainments, including a dinner given by the Victorian Commissioners to the representatives of the various countries and colonies taking part in the Exhibition, a *matinee musicale* given by the President (the Hon. W. J. Clarke, M.L.C.), and a dinner given by Sir Samuel Wilson, M.L.C., to all the Commissioners, British and Foreign.

It was several days after the Exhibition opened before everything was in full working order, and it was not until 1st November that some of the Foreign Commissioners were enabled to announce that their courts were ready for the inspection of the juries.

The following is the amount of space in the buildings and grounds occupied by the various contributing countries and colonies :—

COUNTRIES.					SPACE OCCUPIED.
Austria	...	...	...	...	38,147 feet
British India	...	...	...	...	11,093
Belgium	...	...	...	...	24,798
Ceylon	...	...	...	...	2,400
China	...	...	...	...	500
Denmark	...	...	...	...	500
Fiji	...	...	...	...	1,670
France	...	...	...	...	107,370
Germany	...	...	...	...	111,669
Great Britain	...	...	...	...	177,758
Holland	...	...	...	...	8,902
Italy	...	...	...	...	57,052
Japan	...	...	...	...	7,000
Ladies' Court	...	...	...	...	6,425
Mauritius	...	...	...	...	600
New South Wales	...	...	...	...	33,880

New Zealand	...	...	...	...	10,235
Queensland	...	...	...	...	9,875
Russia	...	...	...	...	200
Scandinavia	...	...	...	...	500
South African Settlements	...	...	...	...	600
South Australia	...	...	...	...	9,875
Turkey	...	...	...	...	400
United States	...	...	...	...	64,920
Victoria	...	...	...	..	187,758
Western Australia	...	...	...	...	6,000
Dining-rooms, retiring-rooms, pavilions, &c.				about	37,281
Total ...					907,408 feet

So soon as the various courts were ready, arrangements were made to form the international juries. One of the first duties imposed upon the Committee of Juries and Awards was the selection of a superintendent. Mr. J. C. Newbery, of the Technological Museum, had been previously employed at similar work at the recent Intercolonial Exhibition in Melbourne. The trustees of the Public Library were asked for permission to employ Mr. Newbery in that capacity, and to offer him a suitable honorarium, and in due course authority was cheerfully given. By the regulations each country or colony outside Victoria had the right of nominating one juror for each section in which it was interested, provided always that such juror was not a permanent resident of Victoria. The Commissioners for the Exhibition reserved to themselves the right, if necessary, of appointing an equal number of jurors to those appointed from outside. It was hoped that these regulations would have had the effect of inducing foreign nations and the neighbouring colonies to send here men of science and experience, whose presence would have materially strengthened the juries, and who would have added by their presence to the prestige and dignity of the Social Science Congress which it had been determined to hold in connection with the Exhibition. Unfortunately, no country took complete advantage of these regulations, although some few jurors were sent here by the French and Italian Governments. While the representatives of foreign countries were unwilling to surrender their right of appointing jurors, they requested the Commissioners to abandon the restriction as to residence. The Committee of Juries and Awards consisted of the Hon. J. J. Casey, C.M.G., chairman; the Hon. James Munro, and Mr. G. C. Levey, C.M.G.; and to this body—assisted by Mr. J. C. Newbery (Superintendent of Juries and Awards), subject always to the supreme control of the Executive Committee—was entrusted the delicate task of settling the conflicting claims of the visiting Commissioners. The regulation authorising each Commissioner outside Victoria to appoint a juror for each class in which he exhibited was, of course, unworkable so soon as the restriction of residence was abolished. A conference between the Committee of Juries and Awards and the visiting Commissioners was held on the 25th September, 1880 (the Hon. J. J. Casey in the chair), and, after a long discussion, it was decided that the visiting Commissioners should be collectively allowed to nominate one-half the total number of jurors, irrespective of nationality and place of residence, the other half being nominated by the Victorian jurors; that the total number of jurors should not exceed four hundred, and that no section should consist of more than twenty. When each Commissioner had sent in his nominations, it was found that they amounted to four hundred, or two hundred in excess of the number decided upon. In order to arrive at some satisfactory result, the Commissioner for the United Kingdom, Colonel Sir Herbert Sandford, R.A., invited the Commissioners for India and the British Colonies to meet and review their nominations. This was done, and their

joint list was reduced from one hundred and eighty to one hundred, thus leaving one hundred jurors to be nominated by the Commissioners for Austria, Belgium, France, Germany, Italy, Japan, the Netherlands, Switzerland, and the United States. After a protracted negotiation, another conference was held between the Committee of Juries and Awards and the visiting Commissioners (Mr. Casey in the chair), and, after a lengthy discussion, it was decided that all the Commissioners from countries outside Victoria should meet and jointly appoint two hundred jurors. This was done; and the appointment of the extra-colonial jurors having been made, those for Victoria were selected by the Executive Committee from names submitted by the committees in charge of the various sections.

Full details of the various steps taken before the juries were formed, the system followed, and the results of the jury work, will be found in the report of Mr. Newbery, commencing at p. 1.

The attention of the Commissioners had been directed to the subject of providing musical entertainment for the visitors; but it was thought advisable not to expend any very large sum in this direction, but to rely almost exclusively upon the legitimate attractions of the Exhibition. The performance of the Exhibition Cantata was repeated with great success. The services of an Australian band, organised by M. Leon Caron, were engaged for some afternoon concerts, and those of an Austrian band were similarly availed of. As the grand organ approached completion several performers of eminence gave recitals, which proved the power and general excellence of the instrument. At a later period arrangements were made for weekly concerts by children from the various State-schools in and around Melbourne, about 1000 being accommodated upon each occasion on the gallery in front of the organ. These concerts were under the direction of the singing-masters of the Victorian Education Department. In the courts where pianofortes were exhibited recitals were given at intervals by several leading artists, and these concerts were largely attended.

It had been resolved by the Commissioners to have special shows of the animal and vegetable productions of Victoria and the adjacent colonies, and to give special awards to live stock exhibited at Spring Show of the National Agricultural Society. In pursuance of this decision, 6 gold, 13 silver, and 22 bronze medals were presented to the owners of prize animals. The first of the series of special shows was opened on 19th November, in the western nave of the permanent building. It was an exhibition of flowers, fruit, vegetables, and dairy produce, and the number of entries of each class was numerous, while the quality of the exhibits commanded universal admiration. The butter, cheese, hams, and bacon were exceptionally good, while the fruit from New South Wales, South Australia, and Victoria, was very fine.

The second of the series of horticultural shows was opened on 17th December. This was restricted to flowers, fruits, and vegetables; and again the fruits were universally admired, especially by the foreign visitors.

An international wool show was opened on 6th January, 1881. Strenuous efforts had been made by Sir Samuel Wilson, the chairman, and the members of the Animal Products Committee to obtain an unusually good display of this great staple, and the result was that 200 entries were made, and the exhibition of wool was pronounced to be the finest ever seen in any part of the world. The exhibits were arranged in bales and single fleeces, the former being shown in the western nave, and the latter in glass cases placed down the middle of the central avenue of the annexe. The different varieties and qualities were well classified under their respective headings, and a very comprehensive catalogue was compiled and published, which furnished a full description of each exhibit. The washed Merino wool was shown in splendid condition, the fleeces being clean, bright, and soft in handling. The unwashed Merino wool was of very superior quality. In the long wool sections

both the quality and condition of the samples were remarkably good, and the entries of scoured wool, although not numerous, were good, the wool being long and bright in colour. The exhibition of the fleeces in cases was allowed to remain on view for a considerable period.

A dairy produce show was held in the basement of the main building on 4th and 5th February, and the exhibits were of acknowledged merit, but less numerous than on the previous occasion.

The third show of horticultural products was inaugurated on 11th February, and was better than even at the previous exhibitions of this class. The fruit, especially that from South Australia and Queensland, was much admired.

An interesting and instructive display of the agricultural resources of Australasia was made in the western nave of the building on the 3rd, 4th, and 5th of March. The exhibits comprised grain of all descriptions, with other products of agricultural districts, and New South Wales and South Australia entered heartily into the project.

The last special horticultural show was held on the 18th, 19th, and 20th March, and, in the opinion of the judges, it excelled its predecessors, and showed the resources of the colony in a highly satisfactory manner. Fruit from this and the adjoining colonies was the most prominent feature.

The expectations as regards attendance were fully realised. Although the Exhibition was closed at night, and although no extraneous attractions were offered, the total attendance was—Adults, 853,655 ; children, 116,132 ; season tickets, 16,061 ; miscellaneous, 344,431—total, 1,330,279, of whom 985,848—or, in round numbers, a million—paid for admission, which is considerably more than the whole population of the colony. These numbers will compare very favourably with the result of any previous International Exhibition held either in Europe or America, at none of which was there an attendance so large in proportion to the population. The statistics of the Exhibition department will be found in the report of its comptroller, Capt. Espinasse, commencing at p. lxxii.

The formal declaration of the awards made by the jurors was made upon 22nd March, by His Excellency the Marquis of Normanby, G.C.M.G., and the day was proclaimed a public holiday.

A military display had been organised ; not on so large a scale as at the opening, but sufficiently impressive to attract thousands of spectators.

The metropolitan volunteers were augmented by detachments from the country corps, and altogether not less than 1300 mustered at the appointed hour. Colonel Rede was in command, and the naval forces were under Captains Mandeville and Fullarton. Each corps was headed by its band. On entering the grounds the volunteers were drawn up in a line along the central carriage drive, in front of the main entrance, and remained there until the Governor arrived. As His Excellency drove past they presented arms, and the bands played the National Anthem. The Governor was escorted to and from the Exhibition by a troop of the Prince of Wales Light Horse, and a salute of twenty-one guns was fired from the Prince's Bridge battery as he left Government House.

His Excellency, who was accompanied by the Marchioness of Normanby, Lord Hervey Phipps, and Captain Le Patourel, was received at the main entrance by the Hon. W. J. Clarke, M.L.C., President ; Sir George Verdon, C.B., K.C.M.G., Sir Samuel Wilson, M.L.C., Hon. J. J. Casey, C.M.G., and Hon. J. Munro, M.P., Vice-Presidents ; Hon. W. M. K. Vale, M.P., Treasurer ; and Mr. G. C. Levey, C.M.G., Secretary ; a few of the Commissioners, the representative Commissioners of each of the foreign countries, the commanding officers of the German, French, and Italian war-vessels then lying in Hobson's Bay, and a few of the officers of the volunteer forces of the colony. As he passed along the avenue to the dais in front of the orchestra, Mr. David Lee, on the grand organ, played the National

Anthem. At the daïs His Excellency and party stood as the escort bowed and retired. The President, Vice-Presidents, Treasurer, and Secretary then advanced, and Mr. Clarke read the following address :—

To His Excellency the most Honourable George Augustus Constantine, MARQUIS OF NORMANBY, Earl of Mulgrave, Viscount Normanby, and Baron Mulgrave, of Mulgrave, all in the County of York, in the Peerage of the United Kingdom ; and Baron Mulgrave of New Ross, in the County of Wexford, in the Peerage of Ireland ; a Member of Her Majesty's Most Honourable Privy Council, Knight Grand Cross of the Most Distinguished Order of Saint Michael and Saint George, Governor and Commander-in-Chief in and over the Colony of Victoria and its Dependencies, &c., &c., &c.

My Lord Marquis—As Commissioners appointed under the great seal of the colony for the purpose of taking the necessary measures for holding an International Exhibition of arts and industries in Melbourne, we desire to welcome your Excellency with all dutiful respect, and to convey to you, as the representative of Her Most Gracious Majesty, the expression of our loyalty and devotion to Her Majesty's crown and person.

Your Excellency was pleased to declare the Exhibition open on the 1st day of October last, and since then your Commissioners have worked indefatigably to promote the success of the great undertaking so auspiciously commenced.

Although the generally complete state of the Exhibition on that occasion afforded matter for congratulation, a very large number of exhibits were subsequently received, and the space at the disposal of your Commissioners was taxed to the utmost in providing accommodation for the many beautiful and valuable specimens of art and industry sent to the Exhibition.

The onerous task of effectively disposing of all the exhibits was, however, successfully completed, and the vast collection gathered from all parts of the globe was within a brief period after the opening ceremony brought into thorough order.

Since the opening day the Exhibition has been largely attended by visitors from all parts of the Australasian colonies.

Our countrymen from Great Britain, and the many foreigners from the Continent attracted to these shores, have been afforded opportunities for studying our rich and varied indigenous resources, with the view of developing closer relations with the countries of the old world.

The total attendance to the present date has exceeded one million, the exact number being 1,008,302, and this satisfactory result will be largely increased between the present date and the final closing of the Exhibition on the 30th April.

The financial results have been extremely satisfactory, and the net cost of the Exhibition to the country will be less than was estimated in July, 1879.

The formation of the juries was commenced during the middle of the month of October, and the voluntary gratuitous services of over 350 gentlemen were secured for the purpose. These were formed into 38 juries, averaging from 7 to 22 persons in each jury.

The patience with which the examinations were conducted, and the amount of time bestowed, are especially worthy of note, and the thanks of your Commissioners are due to the jurors for their disinterested labours.

The result has been that 2465 exhibits have been placed in the first order of merit, 2013 in the second order, 1651 in the third order, 812 in the fourth order, and honourable mention has been accorded to 581 exhibits.*

We have now to place these lists of awards, duly confirmed by your Commissioners, in the hands of your Excellency, and we have to ask you to distribute to the representatives of the British, Foreign, and Intercolonial Commissions a list of the awards gained by the country which each represents.

To conclude, we venture to hope that the entire conduct of the Melbourne International Exhibition from its inception will have commended itself to the approval of your Excellency, and that, with the blessing of Divine Providence, permanent benefits to the people of this country, and to the nations which have accepted their invitation to take part in the present gathering, will result from the Melbourne International Exhibition of 1880-1881.

His Excellency then read the following reply :—

Mr. President and Gentlemen—I thank you in Her Majesty's name for the assurance which you give me of your loyalty and attachment to the crown and person of Her Majesty.

I congratulate you, gentlemen, most sincerely upon the marked success which has attended the arduous labours which you undertook in inaugurating and carrying out to a brilliant conclusion this grand undertaking.

When the proposal was first made to hold an International Exhibition in Melbourne, it might well have been doubted whether it were not presumptuous in a country so young to adopt so grand an idea ; the result has, however, undoubtedly proved that such fears were ground-

* These numbers were subsequently increased, as supplementary reports were received.

less, and the Exhibition of 1880 may now justly claim to rank among the great International Exhibitions which, following the example set by the far-seeing wisdom of His Royal Highness the Prince Consort in 1851, have been held in so many of the older countries of Europe and in America.

Its success has certainly far exceeded my most sanguine expectation; the display of manufactures and products in the Victorian Court is such as the colony may well be proud of, and I believe such is the feeling of most of those who have visited this building; and the Exhibition of Melbourne will long remain an example of what may be accomplished by a young, an energetic, and an ambitious country.

In congratulating you on the success of the Exhibition, I must not, however, forget that that success is mainly due to the splendour of the exhibits which have been so handsomely and generously contributed both by foreign nations, the mother country, and by the sister colonies; and I now beg, in the name of Her Majesty, and in the name of the Government and people of this colony, to tender my sincere thanks to all those who have accepted our invitation, and, by the excellence and number of their exhibits, have so nobly seconded our endeavours; and I must also thank those gentlemen who have devoted so much time and attention to the arduous and important office of jurors.

It has afforded me the greatest satisfaction to be present here to-day to distribute their awards; and I trust that the result of the Melbourne Exhibition may prove to be an increase of friendship and good feeling between this colony and the rest of the world, and the promotion of its commerce and enterprise.

The formal presentation of the awards was next made, the representative of each country or colony receiving from His Excellency a document containing a statement of the number of awards in each class made to exhibitors in his court. The representative of each country was introduced in accordance with its alphabetical position, and, as he advanced to His Excellency, a national air or appropriate selection was played on the grand organ by Mr. David Lee. The following is the list of the Commissioners, with the order in which they approached the Governor, and the airs played:—

Austria—Mr. Victor Schönberger, K.C.F.J.	..	“Emperor’s Hymn”
Belgium—Mr. Prosper Lamal	..	“La Brabançonne”
British India—Mr. James Inglis	..	“March of the Empress of India”
Ceylon—Mr. A. M. Fergusson	..	“March of the Brahmin Priests”
France—M. J. Belcour	..	“Marseillaise”
Fiji—Mr. W. K. Thomson, J.P.	..	“Cheer, Boys, Cheer”
Germany—Dr. Francis Reuleaux	..	“Die Wacht am Rhein”
Italy—Chev. A. de Goyzueta dei Marchesi di Toverena	..	“Italy’s Royal March”
Japan—Mr. T. Tokuda	..	“Feast of Lanterns”
Mauritius—Sir S. Wilson, M.L.C.	..	“Beautiful Isle of the Sea”
Netherlands—Chev. Ploos Van Amstel	..	“Chant National Hollandais”
New Caledonia—Mr. W. J. Daly	..	French Marching Song—“Chant de Depart”
New South Wales—Dr. A. Renwick, M.L.A.	..	“Happy Land”
New Zealand—Mr. J. H. Blackwood	..	“Isle of Beauty”
Queensland—Mr. G. E. Layton	..	“God Bless the Prince of Wales”
South Australia—Mr. S. Davenport	..	“The Golden Farmer”
Switzerland—Mr. E. Eugster	..	“Ranz des Vaches”
Straits Settlements—Mr. S. Pryce	..	“A Life on the Ocean Wave”
Tasmania—Mr. C. M. Officer, M.L.A.	..	“The Tight Little Island”
United Kingdom—Colonel Sir Herbert B. Sandford, R.A.	..	“British Grenadiers”
United States—Mr. O. M. Spencer	..	“Star-spangled Banner”
Victoria, and Courts of other Countries not officially represented—The Hon. W. J. Clarke, M.L.C.	..	“Home, Sweet Home”
Western Australia—Mr. H. U. Alcock	..	“The Land of the West”

The Marquis of Normanby with his party then retired from the building.

In accordance with an universally expressed desire, the Exhibition was kept open until the 30th April—one month longer than was originally intended. The experiment was entirely successful. Very few of the exhibitors made any preparations to pack up until the last day, although they had the legal right to do so, and the attendance kept up very well until the end.

There was no ceremony of any kind on the closing day, the 30th April, and on the following day the removal of exhibits commenced ; but concerts were given on 21st and 24th May, and a ball, at which the Governor, Earl Clanwilliam, Prince Louis of Battenberg, and the officers of the Detached Squadron, were present, was given on 1st June. Great energy was displayed by the foreign Commissioners and exhibitors in dismantling their courts, and their exertions were ably seconded by the officers and staff of the Victorian Commissioners. The system which had ruled at previous International Exhibitions, of allowing the public to enter the building during the removal of the exhibits upon orders signed by the Commissioners and officials, was not followed; but the same regulations for admission prevailed after the close of the Exhibition as during its currency—that is to say, no person, except exhibitors and their workmen, or those who had business in the buildings, were admitted without payment. The result of this charge for admission was to largely restrict the influx of visitors, and enable the exhibitors to get through their work with greater rapidity than would otherwise have been the case. The establishment under the charge of the Commissioners of a storage ground for empty cases worked extremely well. Exhibitors found no difficulty whatever in obtaining cases when they were required, and the Commissioners held themselves responsible for returning all the cases they received. Very few exhibits remained in the building after 1st July, and these were removed into the western machinery annexe about the middle of July. The temporary buildings were formally handed over to the Railway Department, by which they had been purchased, in the latter end of the same month.

The Emperor of Germany had at the commencement of the Exhibition offered a service of plate to the most meritorious exhibitor from any Australian colony. The regulations provided that each jury should be entitled to name a competitor, but that the final decision should be vested in Professor Reuleaux, the Executive Commissioner for Germany. The following exhibitors and firms were selected by the jurors :—

- The Albion Woollen Mill Co., Geelong, woollen goods.
- Mr. J. Buncle, Melbourne, agricultural implements.
- Mr. J. Bosisto, Melbourne, eucalyptus preparations.
- Messrs. Cuming, Smith and Co., Melbourne, chemicals.
- Messrs. Cameron Brothers, Melbourne, manufactured tobacco.
- Mr. H. Lennon, Melbourne, agricultural implements.
- The Mossgiel Woollen Factory Company Limited, Dunedin, woollen goods.
- Messrs. J. Miller and Co., Melbourne, rope.
- Messrs. W. H. Roake and Co., Melbourne, furniture.
- Messrs. Sands and M'Dougall, Melbourne, stationery.
- Messrs. Shelmerdine and Co., Melbourne, felt hats.
- Messrs. Stevenson and Elliot, Melbourne, carriages.
- Messrs. Swallow and Ariell, Melbourne, biscuits, &c.
- Messrs. Castella and Rowan, St. Hubert's, Lilydale, wine.
- Mr. H. Steiner, Adelaide, jewellery and plate.
- Victorian Railway Department, Melbourne, locomotive and railway carriages.
- The Hon. John Woods, Melbourne, automatic continuous brake.
- Sir Samuel Wilson, Melbourne, wool.
- Messrs. Wright and Edwards, Melbourne, steam engine.

Professor Reuleaux decided upon awarding the prize to Messrs. Castella and Rowan, of St. Hubert's, for the Victorian wine exhibited by them. Some discussion arose as to the recognition which the unsuccessful competitors should receive at the hands of the Commissioners, and eventually it was decided that each should be awarded an emblazoned certificate and a gold medal, but not the gold medal of the Exhibition.

Very satisfactory progress was made with striking the medals ; and, through the energy of Mr. Delves-Broughton, the Deputy-Master of Her Majesty's Mint, the delivery commenced to take place early in June, 1881, and was all completed by the end of September, with the exception of those for Victoria, which were ready for distribution on 4th October. The medals were of gold, silver, and copper. Upon the obverse was the head of Her Majesty the Queen, draped, and the legend, "Melbourne International Exhibition, MDCCCLXXX ;" and on the reverse, the motto, "Vitam excoluere per artes," surrounded by a wreath of oak leaves. Each medal had engraved upon its rim the name of the recipient and the reason for its being awarded. The special medals for Her Majesty the Queen and for His Royal Highness the Prince of Wales were on 10th May entrusted to Sir Herbert Sandford, the representative at Melbourne of the British Royal Commission, and presented by him to the Prince of Wales, who personally handed to the Queen the medal intended for Her Majesty.

Some delay took place in the preparation of the certificate, the design originally adopted not meeting with the approbation of the Commissioners. Eventually competitive designs were invited, and that of M. Rampant, a French artist, temporarily resident in Melbourne, was accepted. The engraving, which was by the process of lithography, was entrusted to Messrs. Hamel and Ferguson, and the Commissioners are, on the whole, well pleased both with the certificate and medals. *Fac-similes* of both will be found in another portion of this volume. The delivery of the certificates did not commence till 1st November, 1881, and did not terminate until the end of the year.

After the close of the Exhibition, the members of the staff were entertained by the President at dinner at Menzies' Hotel ; the Secretary was entertained at dinner by a large number of the Victorian and foreign Commissioners at Gunsler's Café ; and on 30th August, a few days prior to his departure from Victoria on a visit to Europe, the President was entertained at dinner in the Exhibition Buildings by the Commissioners. Upon that occasion the chair was taken by the Premier, Sir Bryan O'Loughlen, M.P., one of the Vice-Presidents, and the health of the guest of the evening was proposed in a highly eulogistic speech by the Hon. Graham Berry, M.P.

In the final report to the Chief Secretary, dated 30th September, the Commissioners returned thanks for the assistance which they received on every side ; to the British, foreign, and colonial Governments which took part in the Exhibition ; to the exhibitors—British, foreign, and colonial ; to the jurors, who laboured with great industry, patience, zeal, and intelligence ; and to their officers and staff, and especially to the Secretary (Mr. G. C. Levey), the Superintendent of Juries and Awards (Mr. Cosmo Newbery), the Assistant-Secretary (Mr. T. B. Hill), and the Accountant (Mr. Wm. Morgan), and the Secretary of Committees (Mr. James Thomson).

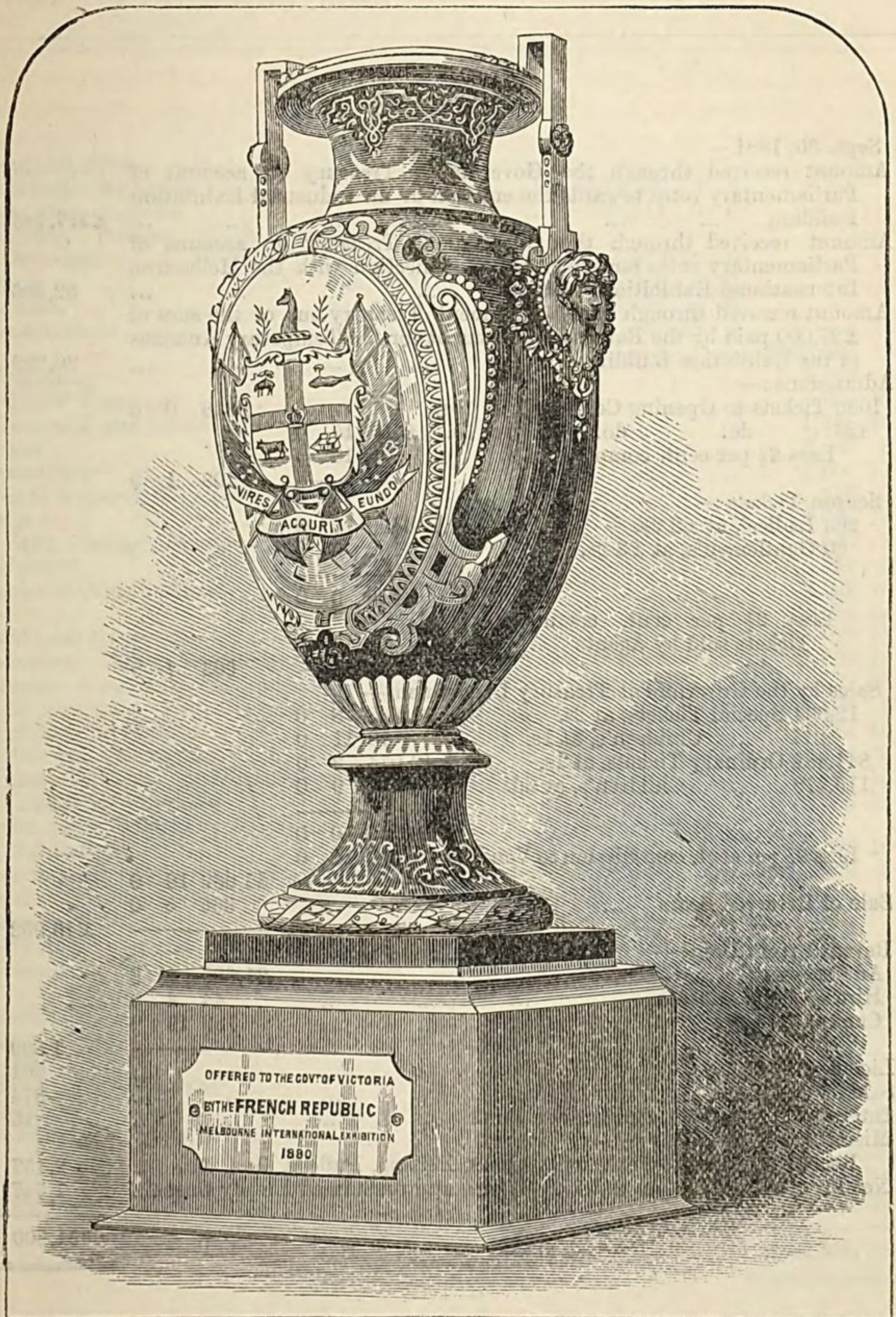
Upon the same occasion Mr. Wilks moved, Mr. Vale seconded, "That this Commission record its appreciation of the valuable services rendered by the President of the Exhibition, and the hospitality shown by him to the local and foreign Commissioners."—Carried unanimously.

Mr. Vale moved, Mr. Lennon seconded, "That this Commission desires to express its sense of the continued and unexampled services rendered to the Exhibition by Messrs. J. J. Casey and J. Munro (Vice-Presidents)."—Carried unanimously.

For some time prior to the 30th September negotiations had been taking place between the Commissioners and the Government as to the proper steps for winding up the business connected with the Exhibition, delivering the medals and certificates, compiling, publishing, and distributing the "Official Record." It was the desire of the Government that this work should be undertaken by the Executive Committee, but

it was pointed out that if the Commission was *functus officio* on 30th September, the Executive Committee would be in the same position. The Commission lasted until 31st March, 1882, but the fifth clause of the Exhibition Act prohibited the Commissioners from doing any business after 30th September, 1881. The new trustees of the Exhibition buildings gave the Commissioners permission to retain their offices, and eventually the Government amended the Exhibition Act in such a manner as to enable the Commissioners to carry out the powers delegated to them by their Commission until 31st March, 1881.

Subjoined will be found the balance-sheet up to 30th September, duly certified to by the Auditors and the Commissioners, and a statement of assets and probable liabilities up to that date, signed by the Secretary and Treasurer, together with the report of the Comptroller of Admissions, and a statement of the attendances at the various meetings of the Commissioners, both general and committee.



SEVRES VASE,
PRESENTED TO THE VICTORIAN GOVERNMENT BY THE FRENCH REPUBLIC.

STATEMENT OF RECEIPTS AND EXPENDITURE

RECEIPTS.

Sept. 30, 1881—			
To	Amount received through the Government Treasury on account of Parliamentary votes towards the erection of an Industrial Exhibition Building		£217,785 13 10
„	Amount received through the Government Treasury on account of Parliamentary votes for expenses in connection with the Melbourne International Exhibition, 1880		32,506 12 11
„	Amount received through the Government Treasury out of the sum of £27,000 paid by the Railway Department for the Temporary Annexes of the Exhibition Buildings		26,999 19 8
„	Admissions :—		
	1636 Tickets to Opening Ceremony, at 10s. ...	£818 0 0	
	423 do. do. at 5s. ...	£105 15 0	
	Less 2½ per cent. commission ...	2 13 3	
		103 1 9	
	Season Tickets :—		
	203 Ladies', at £2 2s. ...	£426 6 0	
	60 Gentlemen's, at £3 3s. ...	189 0 0	
		£615 6 0	
	Less 2½ per cent. commission on Tickets sold by Agents ...	11 18 3	
		603 7 9	
	Sales by the Government Treasury Department—		
	12,334 Special Tickets, at 2s. ...	£1,233 8 0	
	271 „ Children's, at 1s. ...	13 11 0	
	841,482 Ordinary Tickets, at 1s. ...	42,074 2 0	
	115,778 „ Children's, at 6d. ...	2,894 9 0	
		£46,215 10 0	
	Less 2½ per cent. commission to Vendors ...	1,152 14 0	
		45,062 16 0	
	Sale of Reserved Seats	365 8 0	
		£46,952 13 6	
„	Revenue from Dome—		
	Admission	£1,685 9 6	
	Hire of Field Glasses	44 4 9	
	Camera Obscura	169 19 9	
		1,899 14 0	
„	Licenses, Rents, &c.	961 11 0	
„	Sale of Catalogue	874 4 6	
„	Interest, Australian and European Bank	15 6 9	
„	Miscellaneous Receipts :—		
	Recoups for Storage of Empty Cases, Belting, Pulleys, Gas, &c. ...	2,157 4 10	
„	Net Proceeds of Auction Sales of Stores, and unclaimed Empty Cases...	1,747 17 0	
		£331,900 18 0	

Examined and found correct.

W. G. SPRIGG
THOMAS DICKSON } Auditors.

26th November, 1881.

TO 30TH SEPTEMBER, 1881.

EXPENDITURE.

Sept. 30, 1881—									
By Permanent Buildings	...	...	...	...	...	£132,950	12	8	
„ Temporary Annexes	...	...	...	...	...	83,111	0	0	
„ Shafting, Pulleys, Machinery, &c., in Machinery Annexes	...	...	...	...	...	5,714	19	0	
„ Organ	...	...	...	...	...	5,560	9	0	
„ Gardens	...	...	...	...	...	18,481	4	8	
„ Miscellaneous	...	...	...	...	...	546	18	2	
									£246,365 3 6
„ Advertising	...	...	...	...	...	...	...	...	2,002 4 9
„ Auditors' Fees	...	...	...	...	...	...	...	...	237 10 0
„ Ceremonial and Music	...	...	...	...	...	...	...	...	4,265 12 6
„ Chairs	...	...	...	...	...	...	...	...	2,057 6 2
„ Decorations	...	...	...	...	...	...	...	...	1,006 11 1
„ Fees to Experts, Jury and Awards Department	...	...	...	...	...	...	...	...	243 8 3
„ Flags	...	...	...	...	...	...	...	...	2,076 18 10
„ Freight, Cartage, Storage of Empty Cases, &c.	...	...	...	...	...	...	...	...	2,123 1 2
„ Furniture	...	...	...	...	...	...	...	...	950 5 9
„ Gardens—Maintenance	...	...	...	...	...	...	...	...	3,299 18 9
„ Gas	...	...	...	...	...	...	...	...	1,854 14 6
„ Incidental Expenses	...	...	...	...	...	...	...	...	970 11 10
„ Insurance—Fire and Fidelity	...	...	...	...	...	...	...	...	1,639 12 11
„ Interest—6 per cent. on Contractors' Accounts, deferred payments	...	...	...	...	...	...	...	...	1,793 16 1
„ Legal Expenses—Serjeant v. Munro	...	...	...	...	...	...	...	...	105 7 11
„ Machinery in Motion	...	...	...	...	...	...	...	...	4,874 16 6
„ Medals and Certificates	...	...	...	...	...	...	...	...	6,178 3 7
„ Mineral Collection (purchased from the Department of Mines)	...	...	...	...	...	...	...	...	70 18 11
„ Miscellaneous Purchases	...	...	...	...	...	...	...	...	690 19 10
„ Preliminary Expenses, Victorian Commission, Sydney International Exhibition	...	...	...	...	...	...	...	...	382 10 1
„ Printing and Stationery (including £1239 11s. 7d. for Catalogue)	...	...	...	...	...	...	...	...	5,925 6 2
„ Purchases from the Victorian Commission, Paris Exhibition	...	...	...	...	...	...	...	...	102 4 2
„ Refreshments—									
Jury and Awards Department	...	...	...	...	...	£663	0	2	
General	...	...	...	...	...	485	11	9	
									1,148 11 11
„ Salaries and Wages	...	...	...	...	...	...	...	...	34,603 13 5
„ Sanitary	...	...	...	...	...	...	...	...	530 6 11
„ Stores	...	...	...	...	...	...	...	...	1,508 11 0
„ Sunlight for the Dome	...	...	...	...	...	...	...	...	480 0 0
„ Telegrams	...	...	...	...	...	...	...	...	1,610 13 0
„ Travelling Expenses	...	...	...	...	...	...	...	...	1,231 0 3
									£330,329 19 9
„ Balances	...	...	...	...	...	...	...	...	1,570 18 3
									£331,900 18 0

Submitted to Messrs. Sprigg and Dickson, Auditors, for their certificate—

WILLIAM M. K. VALE,

Treasurer of the Melbourne International Exhibition

15th November, 1881.

STATEMENT OF ASSETS AND LIABILITIES

ASSETS.

Oct. 1, 1881.

To Balances	£1,570 18 3
„ Amount placed on the Parliamentary Estimates for purchase of the Plant in the Exhibition Buildings	4,000 0 0
„ Recoup, Board of Land and Works for maintenance of Carlton Gardens from 1st May to 30th Sept., 1881	300 0 0
„ Recoup, Trustees of Exhibition Buildings for Insurance Premiums ...	90 0 0

£5,960 18 3

WM. MORGAN, Accountant.

26th November, 1881.

ON 1ST OCTOBER, 1881.

LIABILITIES.

ACCRUED.

Oct. 1, 1881.

By London Office—Agent-General (unadjusted on 30th Sept.) ...	£523	13	2
„ Social Science Congress—Advance (unadjusted on 30th Sept.)	200	0	0
„ Freight, &c., paid on Foreign Exhibits (unadjusted on 30th Sept.) ...	26	3	4
„ Medals and Certificates ...	1,320	0	0
„ Photographic Albums ...	340	12	6
„ Government Railway Department—Admission Tickets, &c. ...	62	16	6
„ „ Printing Office—Printing Admission Tickets ...	163	8	6
„ Organ—G. Fincham ...	133	0	0
„ Gardens—W. Sangster ...	120	0	0
„ Chief Secretary's Department—Telegrams ...	112	16	0
„ Rent of Storage Ground and Offices ...	87	10	0
„ Metropolitan Gas Co. ...	77	1	0
„ Printing—Mason, Firth and M'Cutcheon ...	57	14	0
„ Auditors' Fees ...	50	0	0
„ Gratuity to A. Gates, Audit Office ...	25	0	
„ Sanitary—M. A. Hesse ...	20	2	6
„ Sundry small liabilities ...	120	0	
	£3,439 17 6		

ESTIMATED.

„ Salaries and Wages ...	850	0	0
„ Official Record—Corrections and Extras ...	350	0	0
„ London Office—Agent-General ...	250	0	0
„ Binding Catalogues ...	35	0	0
„ „ Official Record ...	125	0	0
„ Incidental Expenses ...	100	0	0
„ Advertising ...	20	0	0
„ National Gallery Commission, South Australia, one-half of George Evan's Salary and Passage Money (in charge of the Queen's Pictures) ...	38	10	0
„ Locker's Salary, Customs Department ...	31	7	11
„ Sundries ...	36	10	0
„ Unforeseen ...	250	0	0
	2,086 7 11		
	£5,526 5 5		
„ Balance—Assets over Liabilities ...	434 12 10		
	£5,960 18 3		

GEORGE COLLINS LEVEY, Secretary.

26th November, 1881.

REPORT OF THE COMPTROLLER ON THE WORKING AND SYSTEM ADOPTED IN THE ADMISSION DEPARTMENT.

The system for keeping correct statistical and other records was the same as that adopted at the Sydney and other Exhibitions, and has answered well throughout.

The machines used for registering the number of persons daily visiting the Exhibition were some of those used at the Paris Exposition of 1878, and have served their purpose tolerably well.

Tickets were sold in wholesale quantities of not less than one hundred, subject to a discount of $2\frac{1}{2}$ per cent. for retail vendors, at the Treasury, and the issue of free pass tickets constituted a second branch of the department.

On 1st October, 1880, there were sixty-six *employés* attached to the main admission office, consisting of two clerks, two ticket-tellers, four overseers, thirteen ticket-takers, thirteen ticket-erasers, thirty-one gatekeepers, and one janitor. This large staff was subsequently reduced to twenty-three. There has not been any extraordinary number of visitors gathered together on any one day, but the average daily attendances compare very favourably with those at the Sydney Exhibition, the daily paid admissions at Melbourne showing an average of 5214 for 182 days as against 4184 for 185 there.

The attendance of public school children admitted free on ten consecutive Fridays, from 21st January to 25th March, was 8388; the corresponding attendance in Sydney, of school children for eleven days in succession, from 6th April to 17th, 1880, being 15,503.

The largest total attendance on any one day was on 22nd March (official declaration of awards ceremonial) when 25,189 persons entered the grounds; the smallest, 9th March, with 3486. The largest number of paid admissions by daily ticket was on 18th April, Easter Monday, when 18,553 adults and 2969 children paid for admission; the smallest, 22nd October, when 1923 adults and 169 children paid for entrance. The total daily average of attendance, including all free passes and season tickets, has been 7195 during the 182 days that the Exhibition has been open, and the annexed tables are complete summaries of the attendances during the seven months of its continuance and for one month after its official close.

R. ESPINASSE, Comptroller of Admission.

MELBOURNE INTERNATIONAL EXHIBITION, 1880-81.

ADMISSION DEPARTMENT.

CLASSIFIED ADMISSIONS.

Date. 1880.	Adults.	Children.	Seasons.	Miscellaneous.	Totals.
October	98,951	12,108	3,365	76,883	191,307
November	134,064	16,826	2,749	50,859	204,498
December	112,876	14,525	2,236	45,727	175,364
1881.					
January	117,379	17,952	1,847	40,539	177,717
February	107,138	17,040	1,826	36,881	162,885
March	103,783	14,454	1,764	55,015	175,016
April	159,827	22,081	2,274	38,527	222,709
May	19,637	1,146	..	..	20,783
	853,655	116,132	16,061	344,431	1,330,279

MELBOURNE INTERNATIONAL EXHIBITION, 1880-81.

ADMISSION DEPARTMENT.

ADMISSION TICKETS RECEIVED AT EXHIBITION ENTRANCE GATES FROM OCTOBER 1ST, 1880, UP TO AND INCLUSIVE OF MAY 31ST, 1881.

Special Tickets at 10s. ..	1,615	Ordinary Tickets at 1s.	831,559	
„ 5s. ..	424	„ 6d.	115,017	
„ 3s. ..	1,002			
„ 2s. ..	12,120	Total	946,576	
„ 1s. ..	271			
Total	15,432	Total	..	962,008
		Cantata Presentation		
		Tickets at 2s. ..	1,557	
		„ 1s. ..	6,222	
				7,779
		Net total	..	969,787

MELBOURNE INTERNATIONAL EXHIBITION, 1880-81.

ADMISSION DEPARTMENT.

EXHIBITION TICKETS ISSUED FROM TREASURY, AND RECEIVED BY ADMISSION DEPARTMENT, FROM OCTOBER 1ST, 1880, TO MAY 31ST, 1881, BOTH DATES INCLUSIVE.

Special Tickets at 2s. ..	12,120	Ordinary Tickets at 1s.	831,559	
„ 1s. ..	271	„ 6d.	115,017	
	12,391			946,576
		Net total	..	958,967

MELBOURNE INTERNATIONAL EXHIBITION, 1880-81.

ADMISSION DEPARTMENT.

ADMISSION TICKETS RECEIVED AT EXHIBITION ENTRANCES FROM OCTOBER 1ST, 1880, UP TO AND INCLUSIVE OF MAY 31ST, 1881, CLASSIFIED.

		At 10s.	At 5s.	At 3s.	At 2s.	At 1s.	At 6d.	Cantata Presentation.		Totals.
								At 2s.	At 1s.	
1880.										
October	..	1615	424	1002	9,379	85,620	11,288	275	1,456	111,059
November	..	..	..	..	2,727	129,616	16,531	40	1,976	150,890
December	..	..	..	..	10	111,861	14,525	199	806	127,401
1881.										
January	..	..	..	..	3	116,405	17,952	345	626	135,331
February	..	..	..	..	1	106,642	17,040	160	335	124,178
March ..	..	..	..	..	..	103,144	14,454	199	440	118,237
April ..	..	..	..	..	..	158,905	22,081	339	583	181,908
May ..	..	..	..	..	..	19,637	1,146	..	..	20,783
Totals	..	1615	424	1002	12,120	831,830	115,017	1,557	6,222	969,787

MELBOURNE INTERNATIONAL EXHIBITION, 1880-81.

ADMISSION DEPARTMENT.

GENERAL ADMISSIONS (CLASSIFIED) OCTOBER 1ST, 1880, TO APRIL 30TH, 1881, INCLUSIVE.

Adults.	Children.	Season.	Miscellaneous, consisting of
834,018	114,986	16,061	{ 82,218 Exhibitors { 2,315 M.P.'s { 40,838 { Commissioners { Officers and Jurors { 161,630 Attendants and Workmen { 57,430 { Complimentary and other Special Free Passes

Largest Total Admissions.				Daily Paid Admissions.		Occasion.
1880.				RECEIPTS OVER £500.		
Oct.	1	..	24,120	6,962	Special Tickets	Opening day
"	16	..	14,724	11,938	Ordinary "	First performance Australian Band
Nov.	2	..	20,849	19,040	" "	Melbourne Cup Day
"	6	..	17,140	13,829	" "	(First performance, at popular prices,
"	9	..	21,315	19,232	" "	of the Cantata, "Victoria"
Dec.	7	..	20,280	18,822	" "	Prince of Wales' Birthday
1881.						Boxing Day
Jan.	1	..	15,255	13,928	" "	New Year's Day
"	3	..	13,239	11,486	" "	Wool Show
Feb.	11	..	11,139	..	" "	Third Flower Show
Mar.	22	..	25,189	..	" "	Official Declaration of Awards
April	15	..	17,860	16,343	" "	Good Friday
"	18	..	23,179	21,522	" "	Easter Monday
"	30	..	13,441	11,014	" "	Closing day

ATTENDANCE OF COMMISSIONERS—GENERAL AND COMMITTEE.

NAME.	General.	Executive.	Building.	Finance.	Great Britain.	Europe.	Intercolonial.	Asia, Africa, & America.	Ceremonial.	Districts of Victoria.	Gardens.	Wine.	Manufactures.	Animal Products.	Vegetable Products.	Machinery.	Fine Arts.	Regulations & Printing.	Minerals & Mining.	Internal Arrangements, Juries & Awards.	Space.	Victorian Court, Sydney International Exhibition.	Total Attendance at Com- mittees.
The Hon. W. J. Clarke, M.L.C. . .	35	103	1	8	1	..	..	..	4	..	1	..	..	..	..	..	..	..	..	..	..	..	153
" J. J. Casey, C.M.G. . .	30	146	6	50	19	..	..	..	13	..	1	1	..	1	..	..	3	12	..	70	2	15	372
" Jas. Munro, M.P. . .	44	152	1	79	..	..	3	..	..	..	32	..	..	..	..	1	..	26	..	75	..	..	413
" Sir B. O'Loughlen, Bart., M.P. . .	1	9	..	7	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	19
" Sir G. F. Verdon, K.C.M.G., C.B. . .	10	33	..	7	2	..	..	..	5	..	..	..	..	14	..	..	21	..	..	12	..	..	90
" Sir Samuel Wilson . .	19	62	..	22	6	..	..	..	35	..	..	..	..	..	..	..	..	..	..	1	..	..	159
" Graham Berry, M.P. . .	2	4	..	..	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	8
" J. M. Grant, M.P. . .	5	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11
" Major W.C. Smith, M.P. . .	6	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8
" F. Longmore, M.P. . .	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	12	
" J. B. Patterson, M.P. . .	9	21	..	..	..	..	..	..	..	..	..	..	..	..	..	16	..	..	..	17	..	..	32
" John Woods, M.P. . .	19	61	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	127
" P. Lalor, M.P. . .	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
" H. Cuthbert, M.L.C. . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	—
" C. J. Jenner, M.L.C. . .	4	..	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	4
" R. Dyce Reid, M.L.C. . .	16	..	..	..	..	..	..	..	..	..	..	..	..	3	3	..	..	..	..	..	..	..	19
" John Cumming, M.L.C. . .	12	..	..	..	..	..	..	..	..	3	..	..	..	3	3	..	..	..	..	10	..	..	15
" William Wilson, M.P. . .	27	87	..	..	4	..	..	..	..	..	..	..	1	..	..	2	..	..	..	..	..	..	137
John Andrew, Esq. . .	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7	..	..	..	10
Henry Bell, Esq., M.P. . .	13	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	22
George Billson, Esq., J.P. . .	28	..	18	..	..	..	..	..	..	1	..	19	..	..	..	..	..	..	..	..	..	..	66
J. Bosisto, Esq., M.P. . .	41	131	..	..	..	..	..	..	..	..	26	..	..	..	20	..	..	..	..	16	4	..	237
R. Bowman, Esq., M.P. . .	10	..	..	..	..	..	..	..	..	2	..	1	3	..	..	..	..	..	..	..	..	..	16
The Hon. A. T. Clark, M.P. . .	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	2
E. J. Dixon, Esq., J.P. . .	12	..	..	25	..	..	..	..	..	..	..	..	..	..	7	..	..	..	..	..	..	..	44

DESCRIPTION OF THE EXHIBITION BUILDINGS AND THEIR CONTENTS.*

IN describing the buildings erected for the purposes of the Melbourne International Exhibition, 1881, it will be necessary to regard them in detail, since they were determined upon at different periods, and their erection was let in separate contracts. The permanent building is in the space between Gertrude-street, Fitzroy, and Queensberry-street, Carlton, the southern or principal frontage being parallel with Victoria-parade, and forming a continuation westward of the building frontage of the northern side of Gertrude-street. The length of this main front is 500 feet. The style adopted by the architects, Messrs. Reed and Barnes, is that known as the Italian renaissance, somewhat divested of ornament, from motives of economy. In the centre of this front is the entrance of honour, which is through a lofty archway between two towers. The three doorways are of great magnitude, and over them is a semi-circular fanlight 40 feet in diameter. The flanking towers have pavilion tops, surmounted with flagstuffs, and these structures rise to an elevation of 100 feet from the ground. The façade extends on either side of the centre towers, and is terminated by pavilion towers 80 feet high and 30 feet square. The walls between the towers rise to the height of 52 feet from ground to parapet. The walls are panelled, and there are three windows in each panel; over the windows are semi-circular arches in cement, and above them an equal height of wall, relieved by arches and tables, surmounted again by a series of clerestory windows required to light the galleries in the interior. The panels in the wall are contained between boldly projecting Gothic buttresses, and as all the weight of the roof rests upon these massive supports, the brickwork in the walls of the panels is lessened in thickness and the cost thereby reduced. The east and west frontages of the main building harmonise with the south front, having a tower at each extremity with a central doorway, surmounted by a semi-circular fanlight in a deeply recessed arch. These three entrances are each approached by a flight of steps, the flooring of the whole of the main building and annexes being on a uniform level at a slight elevation above the surface of the ground. The internal dimensions of the main building are—length of nave from east to west, 500 feet; width, 160 feet; height, 72 feet. Length of transept from main south doorway to the entrance to the principal avenue of the main annex 200 feet, and the width and height are the same as those of the main building. At the intersection of the nave and transept the walls at the four corners form massive piers from which spring bold lofty semi-circular arches, upon which the walls of a noble square tower are built. At the height of 100 feet there has been a platform constructed to which easy access has been provided for visitors, by a well staircase winding round the interior of one of the towers flanking the main front entrance. From the platform there is a magnificent view of Melbourne and the surrounding suburban municipalities, with the harbour, Port Phillip, and an immense area of the country beyond in all directions. From the platform the walls are continued upwards, but the form of the building is changed to an octagon, 60 feet in diameter. These again are covered by a dome, the ribs of which are of iron, and the exterior

* It will be advisable in going over this description to consult the plan which will be found facing page lxxxviii, and the view of the exterior of the building facing page xxiii.

covered with slate. At the summit of the cupola is an eight-windowed pavilion, the apex of which is richly gilded, and is 220 feet from the ground. A flagstaff surmounts the whole, and a British flag of large dimensions was displayed therefrom upon all days upon which the Exhibition was opened. The interior of the main structure is surrounded on all sides by continuous galleries, access to which is gained in eight points by strongly built staircases. The galleries are 25 feet above the ground floor, are of a uniform width of 30 feet, and have a handsome and substantial balustrade. They are lighted from the clerestory or upper tier of windows which pierce the main walls, while the spaces on the ground floor beneath them receive light from the larger windows in the lower tier.

At the distance of about 200 feet from the eastern doorway occur two of the four piers supporting the dome, and their angular projections slightly encroach beyond the line of the galleries. The following description of the dome is abridged from the *Argus*:—"The arches, reaching from pier to pier, produce a fine architectural effect, and have afforded the decorator scope for introducing some striking devices. A ring of brickwork, faced with cement, has provided space for a scriptural text—'How manifold are Thy works, O Lord!' &c. The internal diameter of the trunk and cupola is 60 feet. Both are octagonal in form, and the apex of the cupola is about 165 feet above the floor. Its inner surface has been coloured and decorated in imitation of the sky. As regards the decorations generally, the system of colouring followed is quiet, and well adapted as a neutral back-ground for setting off brilliant objects which were to be found in the courts. It is only under and about the dome that any attempt at richness of treatment has been made. The arts and sciences are symbolised by single figures, but groups occur over each of the four arches. The group over the northern arch—the one facing the main entrance—represents Peace in a white robe introducing Science and Art to Victoria, who stands with outstretched arms and laurel wreath to receive and reward the prized immigrants. Agriculture and Commerce are shown as already installed. Over the opposite or south arch the nations are responding to the invitation of Victoria. On the extreme left is seated "the noble red man," not in his war-paint, but with the pipe of peace in his hand. Then we have a Greek with manuscripts, books, and broken statuary, denoting that his native land was once the cradle of the arts, but that they have since fallen to decay there. Next in order is a Chinese, with pigtail and fan. He is seated on a tea-chest. Then there is an Italian, with musical lyre and painter's palette, conveying the idea that Italy excels in the graceful art. On the other hand may be seen the Teuton, in sober-tinted drapery, with wallet in hand. Behind him is seen an Hindoo carving ivory, and kneeling on a rich Oriental rug. A son of the desert in Arab costume, and the emancipated slave, with his broken chains, complete the group. Over the eastern archway is depicted Science instructing the Arts. Railroad-making and naval engineering are typified; while the torchlight of ancient days is extinguished, and gaslight is shown to have taken its place. The old-fashioned system of signalling with beacon-lights is superseded by the electric telegraph. Æsculapius is receiving electric and other improved instruments of his craft; and Caxton, the inventor of printing, is giving up his pen and antiquated hand-printing press, as being too slow for the times. The spinning-wheel may also be seen, but well in the background, while a sewing-machine holds a more prominent position in the foreground. The group over the western arch pictures Peace and Plenty rewarding Labour, Happy Youth, and Contented Old Age. The eight single figures in the panels at the level of the galleries are intended for the practical and fine arts, comprising Manufactures, Commerce, Agriculture, Science, and Painting; Music, Sculpture, and Architecture. The arms of the different nations which were officially represented at the Exhibition are to be seen over the arches, and amongst them a copy of those singular devices which were long ago adopted by the corporation of the city of Melbourne. A difficulty was felt in suitably honouring France,

the republic not having any recognised arms at the present time. Each shield has an encircling wreath of oak leaves. The decorations were executed according to the designs, and under the superintendence, of Mr. Mather."

At the western extremity of the nave a large and powerful organ was built by Mr. Fincham, of Richmond, at a cost of £5560 9s., and sloping down from it to the ground-floor there is a gallery containing seats for from 700 to 800 adult choristers, but upon which 1000 State-school children have frequently been seated. Viewed from the nave the organ presents a most imposing appearance, and the decoration of the front is extremely rich and graceful. The organ fills up a frontage of 63 feet by a height of 45 feet from the floor on which it stands. In the basement of the Exhibition building is fixed the gas engine which works the feeders or bellows, from a minimum of four-inch pressure to a maximum of ten inches. These feeders supply great reservoirs, from which great wind-trunks convey the necessary supplies to other reservoirs within the body of the instrument, and from these different channels the sound-boards are fed with air of the required pressure and equable current, free from pulsation or other fluctuation. The organ has 78 stops, 4726 pipes, and 651 square feet of reservoirs, while that in the Melbourne Town Hall has 79 stops, 4289 pipes, and 257 square feet of reservoirs. The largest organ in the world—that at the Albert Hall, London—has 11,000 pipes, controlled by 125 stops; but with this single exception the Exhibition organ ranks with the largest in the world, that at Haarlem having only 4038 pipes and 68 stops, and that at St. Paul's, London, 4004 pipes and 60 stops; while, on the other hand, the organs at St. George's Hall, Liverpool, and the Town Hall, Leeds, and those at Sheffield, Notre Dame de Paris, St. Sulpice, the Ulm Cathedral, are all rather larger than the Melbourne Exhibition organ.

The following condensed technical description of the principal parts of the instrument appeared in the *Argus*:—The player sits at the keyboard and faces the organ, at a distance of about 14 feet from the front of the case. He has under his control four manuals, namely, great organ, swell organ, choir organ, and grand organ, each compass CC to C, 61 notes. The pedal organ has a compass C to F, 30 notes. The key action to the great, swell, grand, solo, and choir organs are supplied with pneumatic levers; also the action to the pedal organ. On either side of the player are placed the draw-stops in circular steps, each rising step receding four inches. This arrangement gives an elegant appearance to the keyboard, and is found to be very handy to the performer. The ivory keys of the manual are nearly double the usual thickness, and each manual is partially overlapped by the one above it, so that all four rows are close to the player's fingers. The draw-stop action is so constructed that each stop can be pulled easily, brass squares with iron centres being used where necessary. The sound-boards are specially constructed so that each stop may have ample speaking room. The swell-box is double lined, the space between inner and outer lining being filled in with sawdust. The louvre shutters are constructed upon the same principle, and each shutter is not less than ten inches wide. The solo box with Venetian front contains the following stops:—Vox angelica, clear flute, bassoon, clarionet, orchestral oboe, vox humana, oboe clarion. The metal pipes are of the best spotted metal, of full scale, voiced to full wind pressure. Pitch, Philharmonic. The wood pipes are made of Swiss pine, St. John's pine, and Baltic, voiced as above."

The foundations of the main structure are of a most substantial character and laid deeply in the ground. Under a great portion of the interior the earth has been excavated, and thus cellars have been formed, ten feet high. The floor throughout them is laid with tar paving, and in the height of summer the temperature is very cool. The cellars were utilised throughout the period of the Exhibition for the storage of samples of wines sent in for competition, and a number of bars were fitted up at which the wines, &c., of the competing countries

were to be obtained. An exhibition of dairy and other farm produce was also held there. Connected with the main building, and entered therefrom at the north-eastern and north-western corners of the nave, are two permanent machinery annexes. These, like the main structure, are most substantially built of brick, upon massive foundations of bluestone, and the walls are all stuccoed on the exterior. The permanent annexes are each 460 feet long, 75 feet wide, and 35 feet high. Of these areas about one-fourth were allotted for first and second class dining-rooms with the requisite kitchens, and also other requisite offices. Between the two permanent annexes, and extending northwards from the northern extremity of the transept, a temporary annexe was erected. The dimensions were—Length from north to south, 820 feet; and width, 490 feet. The floor space of this immense area was divided into a centre avenue 40 feet wide, with a height of 58 feet; side aisles 30 feet wide, 32 feet high; courts 175 feet long, 45 feet wide, and 36 feet high; passages between courts, 15 feet wide, 19 feet high. The urgent demands for space necessitated the erection of additional temporary buildings, those on the north-east being appropriated for British and Victorian machinery, and that on the north-west to the extension of the German and Austrian main courts. All these temporary annexes were constructed of corrugated-iron and timber, and the materials were subsequently sold at fair prices to the Victorian Railway Department, to be utilised in building sheds, &c., at railway stations.

In the centre of the walls of the permanent annexes entrances for the exhibits were provided, abutting on Nicholson-street on the east and Rathdowne-street on the west. Between the street-gateways at these entrances a tramway was laid down across the main and temporary annexes, and crossed at four points by other rails at right angles, with a turn-table at each intersection. Over the gateway in each street a framework of massive timber was constructed, furnished with a travelling lift on the top, by means of which the most ponderous exhibits of machinery and large heavy cases were lifted from the lorries which had brought them from the ships. The exhibits were then easily placed upon the tramway trucks, and conveyed to any quarter of the annexes.

The interior of the Exhibition buildings, covering more than 17 acres, was allotted in blocks to the different countries forwarding exhibits, those requiring the largest areas having their space divided into subdivisions by passages. Entering the main building at the east end of the nave, which was throughout the Exhibition that most frequently employed, the visitor found spaces allotted as follows:—On the left hand, Italy, France, the United States, New South Wales, and India; on the right hand, Germany, Great Britain, Austria, and Victoria; in the northern transept leading towards the large temporary buildings, and on the west side, were Mauritius, China, Denmark, Sweden, Norway, South Africa, Spain, Portugal, Turkey, Palestine, and other smaller courts. The galleries in the main building were occupied by the fine art collections, displayed by Great Britain, Victoria, Germany, Belgium, the Netherlands, France, Italy, the United States, &c. There was also a small Victorian Ladies' Court, and another in which Germany exhibited ecclesiastical and educational appliances. Proceeding northward from the space under the dome along the transept the principal annexe was entered. Here on the main central avenue 40 feet wide, the frontages of the courts abutted; those on the left hand being Great Britain, France, Germany, Italy, and Austria; and on the right hand Victoria, New South Wales, Tasmania, Western Australia, South Australia, New Zealand, Queensland, Japan, Belgium, the Netherlands, Switzerland, and the United States, with Fiji, Ceylon, the Straits Settlements at the rear of the Belgium, Netherlands, and Swiss courts, but having a frontage to the wide passage leading to the machinery annexes. The fronts of all the courts abutting on the main avenue were highly decorated with numerous trophies, statuary, and national flags; and the view from south to north, which there terminated in a splendid display

of Australian and New Zealand ferns, was regarded as the most imposing in the Exhibition. The eastern machinery annexe with the temporary additions was allotted to Great Britain and Victoria, and the western machinery annexe was divided amongst New South Wales, South Australia, Belgium, Italy, the United States, France, the Netherlands, and Germany.

In the grounds at the north end of the reserve there were buildings erected by the Board of Education, one being a schoolhouse. The Singer Sewing Machine Co. exhibited their machines in the basement story of a Chinese pagoda, which was built up to a considerable height. At the north-western corner of the temporary annexes was an Austrian kiosk, in which the lager beer of Vienna was sold in large quantities. A number of large exhibits, such as windmills, crushing machines, building stone from Tasmania, timber from Western Australia, railway apparatus from Germany, conservatories, a building for the sale of tracts and religious publications, and an Indian temple, were displayed in the grounds. Pumping apparatus was shown in connection with the various lakes, upon one of which floated two Venetian gondolas; and the space between the main building and the British machinery annexe was devoted to agricultural implements, masonry, and specimens of building stone.

INTRODUCTION TO THE ART GALLERIES.

"THERE are only two fine arts possible to the human race," says a great critic—"sculpture and painting!" They speak a language that all can understand; they treat of nature that all see and know and love, and of the ideal that all can believe in, and towards which all true art is striving. Probably it was this feeling of the ideal which imparted to the antique that noble grandeur of outline and form, the confidence that there was a something beyond the marble which could better be suggested than expressed.

The art galleries of the Melbourne International Exhibition contained a praiseworthy assemblage of modern works of art. Some great names were unrepresented, but that is very probably due in part to the risk of trusting priceless pictures for transmission to so great a distance.

It is unfortunate that owing to her many troubles Spain did not send any paintings to the Melbourne Exhibition. Her high rank in art is fully recognised amongst the nations which have given to the world great schools of painting, and her absence from the Exhibition galleries is to be regretted. Nevertheless, it is gratifying that so large and valuable a collection from other European countries was gathered, and gratitude is due to those whose judgment and taste selected it, thus giving a fresh impetus to art in Australia, which will, no doubt, develop.

AUSTRO-HUNGARY.

WORKS OF ART.

There were some very beautiful paintings on china in the Austro-Hungarian court. Amongst others was an antique jewel-case three hundred years old, the setting of solid silver, and enamelled on copper. There were a pair of vases, beautifully ornamented with paintings of Bacchantes wreathing flowers round the god Pan. Then there was a delicate tea service, the whole set charmingly painted; and vases with nymphs and cupids. The Austrians had a large collection of oleographs, Czeiger's being the best in every way. The oleograph of Raphael's Madonna was also excellent. Kurzbauer, a well-known artist, who died last year, had a reproduction here of the painting of "The Runaway Pair, whom the Mother has Found." Dachstein, in the Alps, was also a charming scene. There were some photo-lithographic experiments, taken especially for the Melbourne Exhibition, of different English and foreign newspapers. Some wood carvings were very cleverly executed out of the solid block. One or two were copies of Defregger's pictures. These wood carvings found so many admirers that duplicates were sold over and over again. The bronze bust of the Emperor of Austria, which occupied a conspicuous position, took the grand prix at the Paris Exhibition. The original cast was taken from life, the Emperor sitting for it sixteen hours. There was also an oil painting of Gabriel Max's celebrated picture of the impression of Christ's face on St. Veronica's handkerchief.

BELGIAN ART GALLERY.

INTRODUCTION.

The earliest seeds of art were implanted in the Netherlands towards the latter part of the seventh century by English and Irish missionaries. From a very early period intimate relations had been established between the rulers of Constantinople and Belgium, and many works of Byzantine painters and sculptors found their way thither. Bruges was the birthplace of the Flemish school, which was afterwards rendered still more famous by the works of Heemskirk, Van der Heyden, Memling, Van Mabuse, Rubens, Vandyck, Lugders, Jordaens, and David Teniers. The Dutch school was in reality an offshoot of the Flemish, and Lucas van Leyden, who lived between 1494 and 1533, is generally reputed to be its founder. It gave a brilliant succession of artists, including Anthony More, Rembrandt, Cuyp, Gerard Dow, Wouvermans, Berghem, Paul Potter, the Vandeveldes, Hobbema, Ruysdael, Jan Stein, Van der Heyden, Van Huysum, and others.

BELGIAN PICTURES.

"The Broken Chair," by J. de la Hoese, of Brussels, introduces us to the interior of the workroom of a Belgian Madame Mantalini, in which upwards of a dozen young girls are at work. The manipulation of this painting is charming, and the patterns on the wall are beautifully treated. Bossuet sent the best landscape in the Belgian gallery. It was a "View of Grenade." The day is nearly done, the lower and larger half of the picture is already in shadow. The translucent sky is admirable, and the chiaroscuro perfect. Another painting by De Praterre deserves especial notice. It was called "Extra Post Horses in Snowy Weather," and gained a gold medal in Brussels. It was purchased for the city of Adelaide. "The Fisherman's Fiancée," by Eug. de Block, represented the tall figure of a girl, betrothed to one of those "toilers of the sea," seated by the shore, gazing wistfully seaward. "A Village Shop in Flanders," by T. Heyermans, was a homely subject happily treated. "After la Bosse," by T. Ceriez, represented a couple of art students of the time of Louis XV. drawing from a statue with their backs to the spectators. "The Studio," by Pierre Oyens, was a striking piece of impasto painting. A. Asselberg's "Winter's Day" was another instance of the fidelity to nature exhibited by Belgian artists. H. van Seben's "Winter" was a solidly-painted composition. F. Roffiaen's "Morning on the Lake of Brienz, Switzerland," was a lustrous landscape, suffused with silvery light. M. Portails, one of the foremost artists in Belgium, a member of the Antwerp Academy, director of the Academy of Ghent, and a professor in that of Brussels, had a painting in the gallery, amongst four from his brush, called "A Souvenir of Morocco." In colour it was almost monochromatic, with only two bright tones casually introduced. There was a good chalk drawing, "In a Forest," by Mdle. C. Michel. Of hand-painted plates and vases there were many specimens, the best of which were by Mdle. Gasparoli and Mdme. Rochard. There were a few marble and terra-cotta groups. Amongst the latter, "Winter" and "Summer," and "Mutual Love," were worthy of notice.

FRENCH FINE ARTS GALLERY.

TAPESTRY.

In France the manufacture of tapestry has received an immense stimulus from the State. An extensive establishment has been in existence for centuries at Gobelins, near Paris, at which the finest tapestry produced in the world is made. The Gobelins manufactory is not a competitive one—that is, its products are not made for sale, but are usually given away by the State.

There were four tapestry panels, after F. Boucher, a celebrated French artist of the eighteenth century, from the establishment of Messrs. Braquenié and Co. They represented a "Music Lesson," "Surprised Lovers," "A Favourable Reception of a Bouquet," and "The Shepherd's Recompense."

In the centre of the picture gallery hung a magnificent specimen of Gobelins tapestry, entitled "The Earth." It was manufactured in 1877, according to the model of Charles Le Brun, by seventeen artists. It is worth £10,000, and is intended to be placed in the new Hotel de Ville, Paris. There were two specimens of "Beauvais" tapestry, a lighter kind than the Gobelins.

Messrs. Saurel Bros., of Nismes, showed a very good sample of machine-made tapestry, worked with the Jacquard loom.

The vases in the centre of the gallery were from the National Manufactory at Sevres. There were specimens of the blue lapis, clodian, Etruscan, and other specialities.

THE FRENCH PICTURES.

Art cannot be said to have made a definite commencement in France until near the middle of the sixteenth century. Francis I. had splendid tastes, and attracted to Paris, amongst others, Andrea del Sarto, Primaticcio, and Cellini. Of these, Primaticcio deserves to be regarded as the founder of the French school. In the middle of the seventeenth century Nicholas Poussin arose, who restored the heroic style of landscape painting. Claude Lorraine (1600-1682) is the next great name we come to. He was the Turner of his epoch, and was unrivalled as a landscape painter. At the beginning of the last century the artist had become a mere creature of the court, and the painter who elevated his profession in the eyes of Europe was Antoine Watteau, who began life as a scene-painter. David and Vincent afterwards became celebrated as the revivalists of good painting in France. From the school of David, who died in 1825, issued a succession of brilliant artists—Girodet, painter of the "Universal Flood" and of "Pygmalion and Galatea," concerning which last a French lady was overheard to say, "On n'a rien vu d'aussi beau depuis le Déluge;" Gérard, and Guérin, the master of Géricault, whose "Radeau de la Meduse," now one of the most precious works in the Louvre,

could not find a purchaser in France, and was taken to England, where the artist cleared £700 by exhibiting it. To our own times belong some splendid artists, beginning with Delaroche, and ending with Meissonnier and Gérôme.

E. Dubufe, celebrated as a portrait painter, contributed two pictures. One of these, "The Widow's Mite," is well-known all over Europe through Gustav Schauer's splendid photograph. The picture is full of character, and very effective in its arrangement of light and shade. One of the first names in rank was represented by a small cabinet picture, "The Siesta" (E. P. Berne-Bellecour), in the style of Meissonnier. T. Lobrichon had two beautiful paintings, "A Covey" and "The Child's Dream." The first of these was a life-sized picture containing the portraits of a mother and her three children, the youngest of them nude. Finely modelled and picturesquely grouped, the composition was a very charming one. The second picture represented a beautiful child, perfectly nude, with his golden hair falling in opulent profusion over a crimson velvet cushion, resting on a large silver salver. "The Last Stage of Coco," by P. M. Beyle, was full of homely pathos. The horse of an itinerant showman has fallen dead in the midst of a bleak moor, covered with snow, at some little distance from the town to which the caravan was proceeding. "On the Way to the Shambles," by E. Bayard, was a good picture, though a souvenir of that terrible episode in French history, the siege of Paris. The "Chloe," of the Chevalier J. J. Lefebvre, a pupil of Cogniet, was exhibited at the Salon in 1875, and is a fine study of the nude. "Jeannot in Search of the Kitchen," by J. M. Baader, was thoroughly French in treatment. "The Players with Bones," by J. F. F. Lematte, was a picture that obtained the Prix de Rome in 1870, which carries with it a pension for a term of years, to be spent in study at Rome. A. Defaux's "Feeding the Fowls" was a lovely little bit of colouring. His "Effect of Snow" was the finest in this gallery. You felt that you could brush off the snow from the branches of the trees upon which it lay with feathery lightness.

M. Pierre Charles Comte has been pronounced by so competent a critic as Mr. Hamerton to be "the most perfect painter of historical incident in France," and his "Dante" is worthy of his high reputation. This picture was first exhibited at the Salon in 1878. Mr. Charles Landelle's "Fellah" was a choice and highly finished work, which has been so often reproduced by photography as to have become very familiar. It was one of the gems of the gallery.

There were a few sculptures in the French gallery. "The Flute Player," by D. Ringel, was a typical example of the grace and spirit in which French artists excel, particularly in their bronze works. M. Martin had a work, "A Black Man Strangled by a Dog," a very painful subject, realistically treated. "A Young Girl at the Bath," by Madame Leon Bertaux, was a life-size study, by a lady sculptor, of a girl startled by the drone of a mosquito, which has settled on her shoulder.

"Let him that is without sin cast the first stone," was the inscription at the base of J. Campos's bronze figure, a characteristic example of French workmanship. There were some very good French engravings—"A Spanish Wedding," after Forteney, being very beautiful; a splendid head of "Alfred Tennyson," by Herkommer; Girardet's "The Last Victim of the Terror" was a fearful scene, very artistically executed.

There was a beautifully-toned water-colour in the French gallery by S. Baron, called "A Presentation."

GERMAN FINE ARTS GALLERY.

Charlemagne brought some of the last remains of classic art from Italy, and established in connection with his court a school of miniature painters and illuminators. During the short reign of Otho II., who married a Greek princess, German art was largely influenced by Byzantine models and methods, and towards the end of the tenth century it is related of St. Bernard, Bishop of Hildesheim, that he never travelled without a retinue of artists, who copied every fine work they met with. Brilliancy of colour seems to have been the characteristic of this period; but in the first half of the following century more regard began to be paid to accuracy of drawing and form. It was not, however, until the last years of the twelfth, and the earlier ones of the thirteenth century, that German artists began to imitate natural objects. A peculiar school of painting sprang up in Bohemia between 1346 and 1378, of which Nicholas Wurnser, of Strasburg, and Kunz and Theodoric, of Prague, were the leading representatives, and soon after the school of Cologne, with Meister Wilhelm as its pioneer, showed a feeling for nature as remarkable for its purity as for its completeness. German art began to make rapid progress in the fifteenth century, towards the end of which the artists of Nuremberg attained their highest excellence; and at the beginning of the sixteenth Teutonic art burst into full bloom. To this period belong Albert Dürer and Lucas Cranach. Almost at the same time a school of painting was formed at Ulm, by Zeitbloom, Shaffner, and Hans Holheim. During the latter part of the sixteenth century art underwent a temporary eclipse, until a revival took place in the seventeenth century. The modern school of Germany is the youngest in Europe. At the beginning of the present century German art had sunk to its lowest ebb, until a supreme

effort was made by a few noble souls to rescue it from destruction. Winckelmann's "History of Art" and Lessing's "Laokoon"—the latter inspired by Hogarth's "Analysis of Beauty"—paved the way for this great event; to which also the writings of Goëthe, Schiller, and Richter contributed. Overbeck was the leader of a little band of students, who devoted themselves to the regeneration of German art. From this brotherhood, which successively furnished directors and chiefs for the four great academies of Berlin, Munich, Düsseldorf, and Dresden, radiated the main influences which have determined the character and direction of modern German art as we see it to-day.

GERMAN PICTURES.

"Morning Landscape in Thuringia," by J. N. T. van Starckenborgh, was a beautiful painting. The morning mist rests in the distance, and the gradations of the atmosphere are beautifully rendered. Attention must be drawn to the portrait of a "Black Forest Mayor," by Carl Lasch, of Munich. It was one of the best pieces of flesh painting in the Exhibition. A delightful little cabinet picture by L. Blanc was called "Rest after the Bath." A young girl was reclining on a couch, with one arm thrown over her head, and some drapery covering her lightly. All the details had such a rich, soft finish and grace that the eye rested on it with pleasure. "Cloister Pond," by E. Hellrath, represented the lilyed pool of a convent garden at the approach of twilight. A large pool, with a dark background of trees, occupied the greater portion of the picture, and two nuns were paddling in a punt among the water-lilies floating on the surface of the pond. Karl Ludwig, of Stuttgart, exhibited "Mid-day Rest of a Herd of Cows in the Forest." It was a work of force and feeling, and it gave the idea of its having been commenced and completed out of doors. "Venice—Moonlight," by L. Douzette, showed the moon at her full just breaking through a cloudy sky, defining a pathway of shimmering silver upon one portion of the watery expanse, the other being deep in shadow. The water was admirable in its liquid transparency and keeping, and the whole treatment of the well-balanced composition displayed the hand of an accomplished painter. "Help is Near," by H. Arnold, represented the wreck of a house near the sea. The ruin on this occasion had evidently been complete. The colour was good, and the distance effectively treated. "The Mother's Return Home," by W. Roegge, was a simple subject. In an antique cradle a rosy-cheeked child wakes up from sleep to find his young mother, who has just returned from a marketing excursion in the town, bending in love over her darling. The work was beautiful in colour. It was one of the pictures purchased for the city of Adelaide. "Freshwater Bay, Isle of Wight," by H. Eschke, depicted one of the last glimpses outward-bound voyagers often get of old England. There was a beautiful effect of light across the picture. "Motive from Sogne Fjord," by A. Normann, was a good picture of a lonely Norwegian Fjord, bright with feeble sunshine of a winter's day. "Venus and Adonis," by Lindenschmidt, was a very large canvas. The subject was an ambitious one, but handled in a scholarly manner. The "Bartholomew Lake, in the Bavarian Mountains," by August Becker, was a splendid scene, ably treated. It gave the effect of vastness of object and amplitude of space. "The Lake of Lucerne," by Horst Hacker, was worthily treated. The foreground was a ledge of verdure, with a chalet rising out of a patch of pasture-land, sheltered by a grove of trees, and beyond the waters of the famous Vierwald-stadtersee.

SCULPTURE.

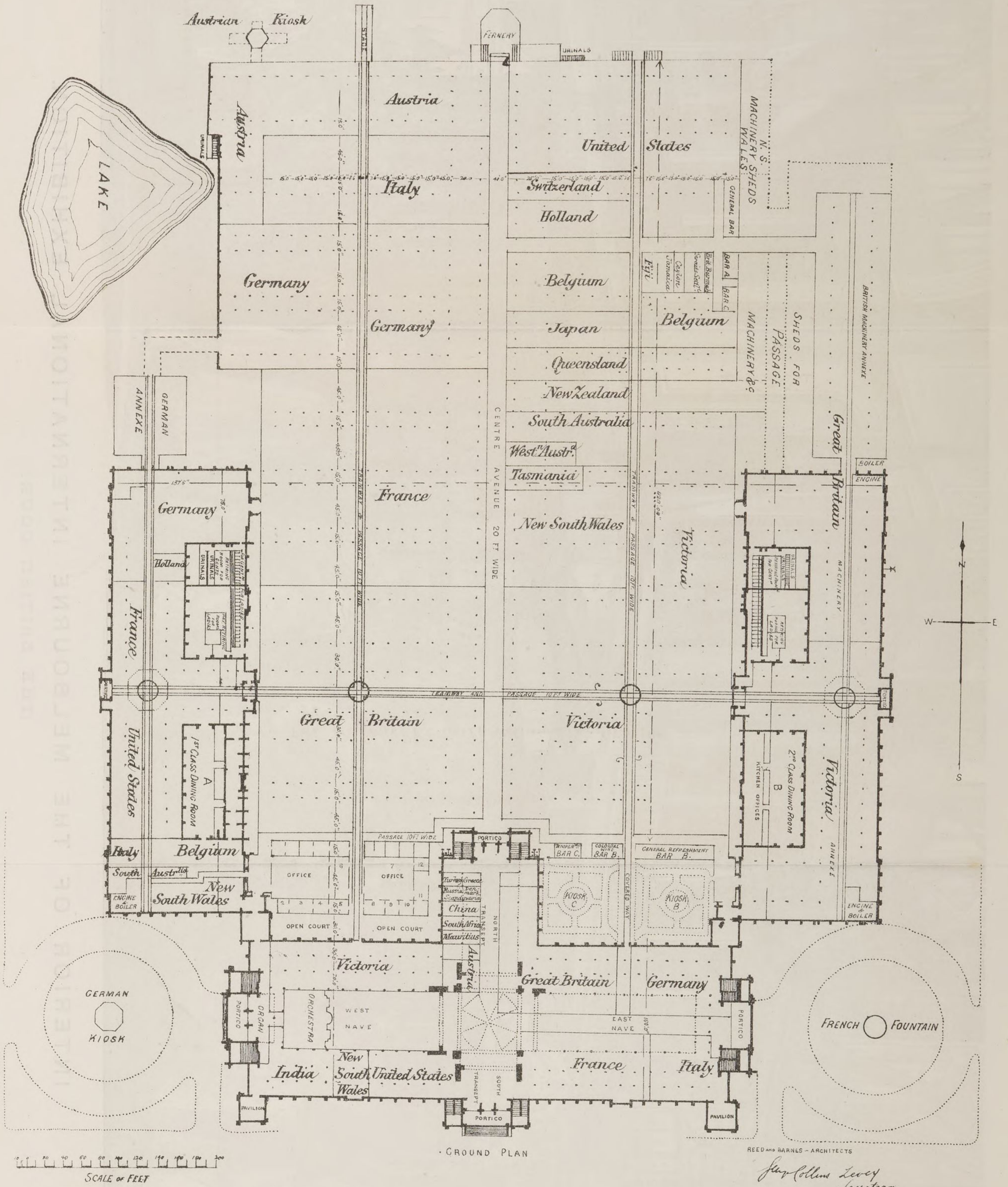
In the middle of the gallery was an exact copy of the only statue by Praxiteles which has ever been discovered, the original having been exhumed at Olympia by the scientific expedition organised at the cost of the German Government. Downstairs were some casts of antiques, all of which have been presented to the different colonies. In the German chapel annexed to the picture-gallery were a number of ecclesiastical images, most of them painted.

PAINTINGS ON PORCELAIN, GLASS, ETC.

In the centre of the gallery stood a pair of magnificent vases from the Royal Porcelain Manufactory at Berlin. They were made after designs by the late Professor Schinke, the celebrated architect of the Berlin Museum. The paintings on the vases were after the designs of Professors Schrotter and Bendemann. There was also a pair of very beautiful vases from the Royal Porcelain Manufactory of Meissen, near Dresden. They were of excellent form, large, with handles, and painted figures in sepia. These were works of art of the highest kind, and they might take those by surprise whose only notions of Dresden china have been formed from the trifles of the "old style," to which, at one time, the historic factory at Meissen confined its productions. Meissen will always be very interesting in the history of ceramic art as the place in Europe where the porcelain was first manufactured, and from the romantic career of its first discoverer, Böttger. At the end of the last century the manufactory had been such a burden to the Government that Wedgwood offered to take over the management entirely in his own hands. That offer was declined, and a complete revival has now taken place.

THE MELBOURNE INTERNATIONAL EXHIBITION 1880

ALLOTMENT OF SPACE



GROUND PLAN

REED AND BARNES - ARCHITECTS

John Collins Levey
Secretary
22/7/80

Printed by J.B. Batten, 79 Queen St.



INTERIOR OF THE MELBOURNE INTERNATIONAL EXHIBITION.

(THE BRITISH COURT.)

ENGRAVINGS, CHROMOS, ETC.

William Hogarth's works were exhibited, illustrated by 118 photo-lithographs, with explanations. There was a very good engraving, called "The Sewing School," in the chapel. The carved cork exhibits are very well done. There were chromos in the German Court well worthy of mention as being the best in the Exhibition. Three paintings of the Emperor of Germany, the Crown Prince, and Bismarck, were hung with the chromo reproductions, but under them, so as to show the exact similarity.

EDUCATION AND INSTRUCTION.

First of all was a collection of Hermes's "Drawing Instructors;" next a stand of every conceivable kind of geometrical models, constructed by Dr. Langhans, of the Royal Realschule. Fürth; and then of globes and maps a great variety. There were microscope photographs and botanical ones, and designs and photographs of objects from different German schools of art. Froebel's kindergarten system was illustrated by models and examples. Prof. Edward Herdtre sent diagrams for elementary instruction in freehand drawing. The Royal School of Art at Munich sent photographs of models, &c. Dr. Blankenhorn, of Carlsruhe, exhibited samples of different grape pips in bottles, with œnological books and specimens. An herbarium for agriculture and forest management was sent from Darmstadt.

ITALIAN ART.

The history of art in mediæval and modern Europe is connected with that of art in the ancient world by the link of Byzantium. Although Byzantine art was low, and her painters were classed with carvers and gilders and house decorators, they, nevertheless, exercised a great influence on Italian art in the fifth century. Prior to that period rude paintings decorated the walls of the catacombs of Rome, and tradition records that Raphael derived thence the idea of his immortal Madonna.

But Venice and Ravenna, having drawn their artists and architects from Constantinople, became two of the most influential art capitals of Italy from the fifth to the thirteenth century; and the conquest of Byzantium by the Latins in 1204 was followed by a migration of Eastern artists to Italy, and by the communication of a marked impulse to pictorial art in that country.

Towards the close of the same century, in the fields near Florence, the great artist, Cimabue, whose own picture of the Madonna—still extant in the church of St. Maria Novella, in Florence—was carried to it from the painter's studio in solemn procession, with trumpets before it—

"Found a shepherd boy

Tracing his idle fancies on the ground."

This was Giotto, who became the Luther of Italian art, rejecting old Byzantine superstitions and traditions, and founding a new school, with nature for his inspiration, truth as his guide, and a delicate sense of beauty, proportion, symmetry, and purity to chasten his imagination and direct his pencil. His influence was felt from the Alps to Naples. He accompanied Pope Clement V. to Avignon, and painted many pictures in France. He was the friend of Dante, who immortalised him in his *Divina Comedia*; and he was almost as illustrious an architect—witness that beautiful bell-tower adjoining the Duomo in Florence—and sculptor as he was a painter. Giotto marks the transition from the middle ages to the renaissance. As such he is entitled to be regarded as the father of modern art. From this time until the period of decadence all the great cities of Italy had their distinctive schools of painting. That of Sienna was headed by Simone Memmi, the friend of Petrarch and the contemporary of Giotto, and it was remarkable for its depth of feeling and its tendency to allegory. Fra Angelico belongs to this school, although he passed the greater part of his life near Florence. Among the schools of Central and Upper Italy those of Bologna and Venice were justly famous, while Padua and Verona, Lombardy, Parma, Umbria, Naples, and Rome had each their distinctive schools and artists. For about twenty-five years at the end of the fifteenth and the beginning of the sixteenth century there flourished in Italy a constellation of painters, sculptors, and architects. To this period belong Leonardo da Vinci, Michael Angelo, Raphael, Titian, Giorgione, Sebastian del Piombo, and Correggio. Since then Italy has produced no great painter. She has been living on the traditional glories and on the inherited masterpieces of the past.

ITALIAN PAINTINGS.

It is to be regretted that owing to a National Art Exhibition at Turin art was somewhat inadequately represented in the Exhibition. One of the most ambitious paintings in the Italian gallery was by Enrico Siemiradzki, of Rome. It represented a pirate's cavern, and some of the detail and colouring were excellent, but the perspective was defective. In contrast

to this was a very small painting by A. Guerra. It was a well-toned, harmonious piece of colour, a characteristic bit of Italian life—a church door, three peasants, and a lady in a black mantilla standing on the steps. Professor Stefano Ussi, of Florence, had a small picture, “Tacruri Amusing Arab Merchants camped in High Egypt.” There are Arab tents, and hot sands beyond. The merchants are seated on the ground, whilst the black prophet, in fantastic garb, is dancing and singing before them with his attendant. Professor Ussi had one of the noblest pictures produced by the modern school in the Universal Exhibition in London, 1862, “The Expulsion of the Duke of Athens.” Its popularity was so great that the Government purchased it. There was a large work by Marinelli, of Naples, “An Episode of the Song of Solomon,” in which the figures are drawn in impossible attitudes. “Alone in the Roman Campagna,” by Aurelio Tiratelli. There is no more impressive scene on earth than the Roman Campagna under evening light, and this picture enabled us to realise it. The long knotted grass waves and tosses spectrally in the evening wind, and the huge fragments of the Claudian aqueduct melt away into shadowy darkness. The bull stands alone, the evening light tinging the ridge of his back, deep lights and shadows cast around. “Villa Clara, on Lago Maggiore” was interesting as depicting the residence of Her Majesty the Queen during her sojourn amidst the lovely lake scenery of Italy. Antonietta Brandeis had two pictures—“Palazzo Cavalli, Venice,” lately the residence of the Comte de Chambord, in which the play of light and shade was admirably rendered; and “A Balcony in Venice,” where two ladies are seen coquetting with some invisible cavalier below. A painting by Glisenti, of Florence, showed great skill and talent. It was named “Caught,” for an old man has on his knee a mousetrap, and he is just in the act of removing the mouse. A cat sits on the *qui vive*, waiting for her prey. But the marvel of the painting is the alto-relievo appearance produced by the effective shadows. Every article seems to stand out from the canvas—the old boots and bottles on the floor; the old green shelf, rubbed at the edge; the boots and stone jugs upon it; the old clothes, bronze plates, trumpets, &c., hanging on nails round the wall—so real is the effect that beholders may think they can take the trumpet off its nail, and the jugs from the shelf; and the order posted beneath the picture, “Please don’t touch,” was a very necessary injunction.

Two winter scenes well repaid inspection—the one was by Prospero Ricca, of Turin, and the other was by Girolamo Trenti. Cavaliere Gordigiani’s portrait of the late King Victor Emmanuel is an excellent likeness of *il re Galantuomo*; rough, brusque in manners, and detesting the pomp of courts, he lives in the memory of his people as a fine example of an honest man. “An Old Caress,” by G. Guzzardi, was a painting of great merit. An old peasant woman sits sewing at the door, a basket of work beside her, the cat sitting on the doorstep; an old man comes up with a long staff, and a *hotte* (basket) on his back, filled with wine bottles. He turns her face towards him with a light caress. They are ancient lovers, and look into each other’s eyes with thoughts of “long ago.” This picture has been purchased by the National Museum at Adelaide.

C. F. Biscarra’s “First Symptoms of Jealousy” portrayed the handkerchief scene in “Othello.” The noble Moor was painted as a full-blooded negro, and Desdemona as an insipid young lady.

Hermann Corrodi, of Rome, had two scenic landscapes, one of them representing the great temple at Paestum. It has been said to have just missed being a very fine picture, owing, it appears, to its having been sketched on the spot, and painted in the artist’s studio. The other picture, “Nicosia, the Capital of Cyprus,” was a finer composition in some respects, but marred by the same defect. “The Market of Treviso,” by G. Ciardi, of Venice, was a pleasant transcript of a bright and animated phase of the out-of-door life of Northern Italy. “Ruins of the Aqueducts of Claudius,” by Pietro Sassi, of Rome, was one of the finest studies of aerial perspective met with in the gallery. The artist fused all the elements of the picture into one harmonious whole. In the Italian court below was a mirror, upon the face of which was cleverly painted a charming piece of still-life, by A. Martinetti, of Rome. Amongst the very few water-colour drawings the palm must be given to P. de Tommasi’s “Public Letter Writer.” Two figure drawings by Cipriani were also very good.

In this court there were a choice collection of photographs, and a few lithographs and engravings.

SCULPTURE.

In turning to the examples of sculpture exhibited in the Italian Court, the present condition of the sculptor’s art, and the surrounding circumstances under which it is prosecuted, must be kept in view. Too often—particularly in the art of modern Italy—the whole of the charm is in the representation rather than the thing represented. In modern sculpture the tendency to realism has been carried too far. Everywhere the aim has been realism, but not the realism of the grave and severe art of the past. When, some years ago, Italian sculptors were weak enough to accept the applause of the unthinking for their statues of veiled figures and marvellous rendering of textures, it was easy to see how rapid would be the descent from the standards of true art; but the lowest depth has now, it is hoped, been reached. First

of all, there was a bronze statue, cast and exhibited by A. Tognozzi, of Moreni, of Dupré's celebrated "Cain." This is a *chef-d'œuvre* of one of the greatest of modern Italian sculptors. There is in this a perfect knowledge of anatomy, and a feeling which is inspiration. The head is bent, and his hand would seem to ward off the curse of the Almighty, as, defiant and despairing, he hears His voice after the murder of his brother Abel. This fine work was purchased by the Victorian Government. One of the gems of the collection was Luigi Pagani's life-size statue of the "Peri," and it was also one of the finest pieces of marble in the Exhibition. The subject is the Indian mythological story of the beautiful Peri repulsed from the gates of Paradise for the sin of pride. The expression of the face is marvellous—such utter sorrow and remorse, yet tinged with pride; the limbs are full of grace—the conception is sublime. The Commendatore Giulio Montenerde sent an important contribution—"The Genius of Franklin." Lightning conductors were first set up by Benjamin Franklin about 1752. The sculptor, in this composition, attempts the representation of the genius of Franklin bringing down the lightning by an ideal personification of genius in the shape of a nude figure, seated on the turret of a castle, guiding the dangerous element into empty space. Antonio Bottinelli, a Roman sculptor, had several works of merit. His four busts, personifying "Spring," "Summer," "Autumn," and "Winter," have an originality of conception uncommon in the treatment of such a hackneyed theme. These four poetically-treated busts were almost the first to which the label "sold" was attached. Signor Bottinelli had also a full-length statue, half-life size, in the Italian court below the gallery. The subject was the "Virgin Camilla." Camilla was Queen of the Volsci, a territory in ancient Latium, near the Tiber. She was educated in the woods, inured to the labours of hunting, and fed upon the milk of mares. She is depicted before her warlike period, with large, wondering eyes, and all the ingenuous loveliness of a beautiful gazelle, with a wolf-skin gathered gracefully around her, a bow in her hand, and, suspended from her shoulder a quiver, denoting her dedication to Diana. The lips are parted, as if in a waiting, listening attitude. Few men's work in the Italian court were more full of promise. There was a very beautiful little marble group by Professor G. Meli, of Rome, of "St. John the Baptist and the Lamb." It was an exquisitely modelled study of a sleeping child.

There was a copy of the celebrated sculpture named at the two last International Exhibitions, "The Forced Prayer," by Pietro Guarnerio, of Milan. The original of this took first prize at every former Exhibition.

There was a *replica* in the Italian court of the most fascinating and popular work of sculpture in the Paris Exhibition of 1878, "The Bather," by Professor Tabbacchi, of Milan. It represented a young girl in a closely fitting bathing-dress, her arms extended straight above her head preparatory to taking a header into the sea. The bathing-dress leaving the arms and lower limbs bare, reveals some exquisite modelling. In the main avenue was a very popular study by Cavaliere Zannoni. It was one of the best works of the realistic school in the Exhibition, and was called "Study and Work." It was a graceful rendering of a legitimate subject, free from so much that is objectionable in many of the ignoble things exhibited. Giovanni Ciniselli sent a veiled bust, "Modesty." Although in general these tricks of mechanical dexterity are not to be commended, this head was beautiful in execution, the provoking veil half revealing, half concealing the lovely features. There were some works by Professor Pietro Magni, the famous sculptor of the "Reading Girl," who was so wonderfully popular at the International Exhibition of 1862. "Complacency" was a life-sized study of a young female, just risen from her slumbers, reclining on an arm-chair, with her dishevelled hair falling over her shoulders, engaged in admiring herself, before dressing, in a pier-glass. Two statuettes were also shown of Michael Angelo and Leonardo da Vinci, copies of P. Magne's works, the veteran artist having since passed away. A bust on the staircase, by Francesco Terace, "Victa," had great breadth and dignity of style.

Under the dome in the main building stood the marble group of "Lynceus and Hypermetra," by the late Charles Summers. "Ophelia," by Signor Rossetti, of Rome, had considerable merit, the drapery being most faultlessly executed.

There were a few works in terra-cotta, amongst which A. Cencetti's busts of an elderly beau, in the dress of the first French empire, attracted by the blandishments of a pretty coquette. "Progress," by Antonio Gemignani, of Naples, was a very realistic, well-executed work, the subject being a youth of the lazzaroni class. He is represented as leaning over a basket with one arm, as he squats on the ground, and is writing letters in the sand with a stick. This work was purchased by the Victorian Government. There were also some painted terra-cotta groups, which were remarkably clever. They were small, delicately chiselled studies.

MAJOLICA.

Above the pavilion occupied by the Venice and Murano Company was one containing a fine display of Capo di Monte ware and majolica, after the old Italian maestri. There were reproductions of the pottery and porcelain of Egypt, Greece, ancient and mediæval Italy, as well as of the period of the renaissance.

It was in Italy that majolica acquired an indisputable superiority from the fifteenth century downwards. The name itself was derived from the island of Majorca, where the fabrication of this particular article seems to have commenced. Specimens of it were brought to Italy, and it was soon discovered that there were large deposits of fine clay available for the manufacture of similar wares in the peninsula. Luca della Robbia, the Florentine sculptor, finding himself overwhelmed with orders for statuary, cast about for some method of reproducing his works in a more plastic but scarcely less durable material than marble; and it occurred to him to bake his clay model, and to cover it with an enamel of tin and lead. His experiments being perfectly successful, the process was soon extended to all kinds of fictile wares. The heads of many of the ducal houses of Italy devoted themselves to the study and practice of the potter's art with the utmost enthusiasm. The fictile wares of the fourth Duke of Urbino, produced at Castel Durante, were ornamented with designs by Raffaello, Michael Angelo, and Giulio Romano with such perfection that, as Vasari tells us, they equalled the best oil paintings. Equally celebrated were the lusted wares of Gubbio, the whiteness and polish of the majolica of Faenza (whence the name *faience*), and the brilliant glaze of that of Rimini. The decorative arts, as applied to pottery and porcelain, reached their highest stage of development in Italy during the period of the Renaissance, and rapidly declined afterwards; but whilst in the fictile wares of ancient Greece the lines were nearly always faultless, as in the *Stamnos*, the *Krater*, the *Kelebe*, the *Prochos*, the *Kyathos*, the *Kalpis*, the *Amphora*, the *Hydria*, and the *Kylix*, and decoration was always subordinate to structure, it is too often the reverse in the ceramic arts of Italy, where the designers seem to aim at constructing ornament, instead of ornamenting construction; and thus attention is distracted from what ought to be the primary element of beauty in a cup or vase—its form—and one is compelled to regard only, or chiefly, the redundancy of the ornamentation, which ought to be a secondary consideration. The old Etrurian ceramics are preferable to works of the fifteenth and sixteenth centuries in the peninsula. There was a cabinet containing numerous examples of the former, faithfully copied from the originals in Italian museums, while in another were to be found some curious *fac-similes* of ancient Egyptian pottery. It is in the application to colour to ceramics that the moderns excel.

As to the fictile fabrics of Faenza, there were sufficient examples in this pavilion to serve as illustrations of a complete history of the art of modelling, hand-painting, glazing, and baking these articles for the last five centuries. Conspicuous among the more valuable of the exhibits were two massive vases of Capo di Monte ware, with a lustrous ground of deep purple and figure paintings, which were real works of art. Another pair, also hand-painted, and three dishes, embellished with groups of figures borrowed from Greek mythology, were of Faenza ware, besides some brackets, vases, dishes, &c. Of Lucca della Robbia figures there were two specimens. There were two specimens of majolica coffers, reproductions of fifteenth century work; two vases in the Urbino style; two of Abruzzi ware, upon one of which *Virginius* was represented as having just slain his daughter, while upon the other was portrayed the body of *Hector* being dragged through the Grecian camp at the tail of *Achilles'* chariot. A candelabrum of Capo di Monte ware, fully seven feet high, was well deserving of attention.

MOSAICS.

The Italians are famed for the wondrous beauty of their mosaics. To the Australian these exhibits possess a special interest, as mosaics are, as yet, a comparative rarity here.

This art is as old as the days of the Pharaohs, and was practised by the Assyrians. Mosaic pavements were common enough in Greece also. Of the old Roman mosaics, there is a fine example in the pavement of the Pantheon. This was called *sectile* work, in contradistinction to the *tesselated* mosaics which were so popular in *Pompeii*. About the middle of the fourth century, glass mosaics began to be largely used by the architects and artists of *Byzantium*, and this method of decorating walls and composing pictures very soon reached Italy, where it was greatly in use for ecclesiastical purposes.

Somewhat later a new variety of mosaic was introduced. Grooves about half an inch deep were cut into white marble, and small cubes of coloured and gilded *smalto*—that is to say, a transparent composition, of which fusible glass is the basis, coloured with metallic oxydes—were let into them. This kind of work was chiefly used for pulpits and tabernacles. But it was an exotic branch of art which was not thoroughly mastered by the Italians until the thirteenth century, and it seems to have died out with *Gaddo Gaddi* in the first decade of the fourteenth. The shrine of *Edward the Confessor*, in *Westminster Abbey*, offers a very fair illustration of Italian glass mosaic. Another variety—known as the *Opus Alexandrinum*—consisting of geometrical arrangements of cubes of marble, porphyry, and serpentine, is ascertained to have been in general use from the fourth to the thirteenth centuries; not merely in Italy, but in Spain, Asia Minor, and Hindostan. When the dome of *St. Peter's* came to be decorated two hundred and eighty years ago, a school of mosaic workers was established in Rome, where it is still known as *La Fabbrica*.

The modern process is thus described:—"A plate, generally of metal, of the required size, is first surrounded by a margin rising about three-quarters of an inch from the surface. A

mastic cement, composed of powdered stone, lime, and linseed oil, is then spread over as a coating, perhaps a quarter of an inch in thickness. When set, this is again covered with plaster of Paris, rising to a level with the margin, upon which is traced a very careful outline of the picture to be copied, and just so much as will admit of the insertion of the small pieces of *smalto*, or glass, is removed from time to time with a fine chisel. The workman then selects from the trays on which are kept thousands of varieties of colour, a piece of the tint which he wants, and carefully brings it to the necessary shape. The piece is then moistened with a little cement, and bedded in its proper situation, the process being repeated until the picture is finished; then the whole, being ground down to an even face and polished, becomes an imperishable work of art."

Of mosaics of this class there were numerous examples in this court, exhibited by L. Gallands, C. Boccheggiani, and L. Tarantoni, of Rome; by the Ginori manufactory at Doccia, near Florence; by the Venice and Murano Society; by T. Bianchini and G. Montelatici, of Florence; by D. Redondo and Dr. Salviati, of Venice; and by the Societa Musiva Veneziana.

There was a very beautiful old Byzantine mosaic, a copy from St. Mark's, in Venice, of "Christ, the Redeemer." The tones and colouring were very soft and delicate, the lights and shades in the purple mantle thrown over the body being especially lovely. There was a copy of mosaic work in the Church of Santa Maria e Donata, of Murano, Venice—a "Byzantine Madonna."

The Florentine mosaics claim our great admiration. They are not such monuments of patient industry and skill as those of Rome and Venice, but their artistic beauty is very great indeed; while the materials employed—malachite, coral, chalcedon, breccia, agate, jasper, porpora, lapsis lazuli, turquoise, serpentine, verde d'Arno, and various sea-shells—are of considerable value.

These are used in their veneers, and advantage is taken of their natural tints and shades to produce the closest imitations of fruits, flowers, and numerous artificial objects. The cost of workmanship is very great. None but the hardest stones are used. Every separate piece must be backed by thicker slices of slate or marble to obtain additional strength, and every minute portion must be ground until it exactly corresponds with the pattern previously cut. Where it is necessary to introduce shadows, it is effected by subjecting the stone employed to the action of fire until the exact tint or demi-tint is produced.

Among the exhibits of Mariotti and Fautone, of Florence, which were in the south-east pavilion upstairs, was a table of black marble, into which was inserted a group of Etruscan vases and tazze, standing on a variegated slab, together with a jar containing convolvulus, yellow roses, and lilies of the valley, a locket and riband, and a ring.

Equally choice were the large and small mosaics of Messrs. Boncinelle and Sons, of Florence. One table was ornamented with a lovely combination of flowers in the centre, consisting of camellias, roses, tulips, and convolvuli, surrounded by six smaller groups.

CAMEOS.

The cameos, which have come down to us from antiquity, were cut from stone of great hardness, and are of much beauty. Glass cameos were also produced by the ancients, and the famous Portland Vase is an imitation of one of these; but the cutting of shell cameos is of modern invention. It is said to have been first practised in Sicily, and it commenced in Rome about seventy-five years ago. The shells usually selected are those which possess layers of different colours, such as the bull's mouth, the black helmet, and the Queen's couch. The last named is found to consist of three strata, the lowest serving for the ground, the second for the principal figures, and the third for their superficial ornaments. The shell in its rough state is attached to a small block of wood so as to steady it. The outline of the design is then traced on the surface, and afterwards scratched in. Then the outer layer surrounding it is removed by files and gravers, after which the work of the artist commences, and is carried out with extreme delicacy of touch by means of very fine tools, some of them little larger than ordinary needles.

In the choice collection of Messrs. Francati and Santa Maria, of Rome, the place of honour was justly awarded to a cameo representing the triumph of Neptune, the subsidiary ornamentation of which—pure white on a delicate pink ground—was as beautiful as the execution of the main subject.

IVORY AND WOOD CARVINGS.

Carving in ivory is, without doubt, the oldest art in the world, inasmuch as there has been found at Le Moustier, in the Dordogne, the tusk of a mammoth, upon which some prehistoric barbarian had incised a pretty correct outline of the monster himself. Curiously enough, some of the finest specimens of this kind of work in the Italian court were executed in a similar manner. Among others, there was a copy of Titian's "Assumption," which had all the delicacy of a line engraving. There was also a mirror frame, containing sixteen medallions of the great writers and painters of Italy, a head of Christ, and one of the Virgin Mary in low relief, microscopically carved. But the most remarkable feature of the collection was an ebony table,

inlaid with ivory, executed in Rome under the direction of Signor Gatti, of Milan, which carried off the first prize in Paris. It contained accurate portraits of Captain Cook and of Luca della Robbia, Vasari, Cimabue, Ghirlandaio, Pisani, and Buffalmacco. There were figure subjects at the angles, and the intermediate panels, as well as the borders, were filled with arabesque scrolls and ornaments of the daintiest devices. Several cabinets, by Brambilla, of Milan, were of ebony, ornamented with ivory, pietradura, cornelian, malachite, agate, lapis lazuli, and verde di Prato. Two cabinets of the Sansovino period in Venice, one of them surmounted by recumbent figures of Fame and Glory, with a bust of one of the Doges in the centre, were exhibited by Signor Guggenheim, and were covered with a perfect efflorescence of carved work in high relief. There was a walnut bookcase, in the early Florentine style, from Messrs. Mariotti and Fantoni, sumptuously decorated; and two pedestals of the renaissance period, executed in Venice by Besaret Brothers.

NETHERLANDS PAINTINGS.

The Netherlands were represented by sixteen pictures only. "In the Roef," by G. Henkes, was the representation of the interior of the cabin of a frekschnit or canal boat. "A Bouquet of Roses," by Mdlle. J. van de Sande, Backhuysen, showed that the countrymen of David de Heen and Rachel Ruysch have neither lost their love for flowers nor their skill in portraying them.

THE UNITED KINGDOM GALLERY OF PAINTINGS.

THE ROYAL PLATE.

A special exhibit in the British Gallery of Painting consisted of different electrotpe reproductions of some of the regalia preserved in the Tower of London, which was contributed by the Department of Science and Art at the South Kensington Museum. These were chiefly copies of plate made at the time of the Restoration in 1660. Two silver tables—one of *repoussé* work and the other chased—were reproductions from those belonging to Her Majesty, and which are in use at Windsor Castle.

OIL PAINTINGS.

There were five paintings lent by Her Majesty and H.R.H. the Prince of Wales. They included Signor Belli's copy of Winterhalter's celebrated picture of the Royal Family in 1857; Leslie's fine composition, representing the Queen receiving the sacrament after her coronation in 1838, and Frith's picture of the marriage of the Prince and Princess of Wales in 1863—these are excellent as works of art, besides possessing great historical value; there were also two ceremonial paintings by Mr. N. Chevalier—"Royal Procession to St. Paul's on Thanksgiving Day," and the "Opening of the International Exhibition in Vienna."

"Saturday Night in the East End of London" was by Frederick Barnard. To those who have explored Houndsditch and the Minories at such a time it recalled some of the most characteristic features of low life in that neighbourhood. The whole picture is without a trace of coarseness, and as full of character as Hogarth's "Gin Lane." Alfred Montague's "Off the Coast, Isle of Wight," was a bright, breezy picture, with a pretty shore outline, a shimmer of diffused light on the sea, the incoming tide pouring through a rocky barrier on to a muddy beach, a sky full of eddying clouds, and a charming effect of sunny haze in the offing. "The Sleeping Beauty," by E. F. Brewtnall.—This was exhibited at the exhibition in Paris two years ago; and if the reclining figure were as finely painted as the Prince and the different accessories, the work would challenge unqualified praise. Otto Weber's painting, "Come on; come along," is a clever animal painting, with picturesque effects of watery sunshine falling on the dappled coats of the horses. "Wards in Chancery," by John Morgan, is a brilliantly painted picture. The fresh young beauty of the two girls, and the furrowed face of the Master of the Rolls, are artistically contrasted. W. M. Wylie's picture of the House of Commons in the session of 1877 is chiefly interesting on account of the portraits it contains. Mr. Calderon's "Joan of Arc" shows her standing on a mass of rock facing the east, having her hands folded, and watching with a rapt countenance the newly risen sun breaking through the mist. A good picture, by one of the veteran marine painters (E. W. Cooke, R.A.), called "Ruins on Island of Philæ the Beautiful," attracted much attention. "Joseph Revealing Himself to his Brethren," by D. W. Winfield, was one of the best scriptural pictures in the Exhibition, and, as a study of Egyptian architecture and of Eastern costume, was very interesting. "Girl and Dogs," by Richard Ansdell, was one of the best pictures exhibited at any time by that artist. "A Brook in the Meadows," by T. Sydney Cooper, R.A., will not suffer by comparison with some of those painted by the old Dutch masters. "Samson and Delilah" was by Sir Frederick Leighton.

The drawing of the blind athlete shows the hand of a master. Welcome to every lover of art were pictures of Sir John Gilbert, R.A., president of the old Water-Colour Society. His "Doge and Senators of Venice in Council" was a vigorous composition, and obtained a medal at the Paris Exhibition of 1878. Another by him is "The Battle of Naseby." It is a scene of tumultuous excitement such as he excels in portraying.

Lady Nicholson, wife of the former Speaker of the Legislative Assembly at Sydney, sent a charming picture of her three sons, treated somewhat after the method of Sir Thomas Lawrence.

The "Threshing-floor of Gilgal," by Richard Beavis, represented a number of oxen treading out the corn. The drawing is admirable, and conveys the assurance of its having been done on the spot. T. G. Cooper's "Scene in Sherwood Forest" showed that there are still fragments of sylvan England not unlike what its forests were in the olden times.

"All Among the Barley," by Mr. E. H. Fahey, was one of the finest pictures in the gallery. The foreground is very finely painted, the feeling of space and distance between the dense vegetation being conveyed with singular skill and dexterity. "Wood-gathering in the New Forest, Hampshire," by George Chester, was a strongly painted picture, somewhat scenic in its breadth. "The Interior of Strasburg Cathedral," by Mr. Wyke Bayless, was a picture which combined the grandiose drawing of David Roberts with the finely discriminated detail of Louis Haghe. Alma Tadema's "Elizabeth" had a sheeny background of yellow satin, casting a dingy hue on her flaxen hair. The face was very pleasant, and the colouring good, but the attitude constrained and ungraceful. "Midsummer Noon," by Mr. C. Bauerlé, represented three children who, weary with play, had fallen asleep with a graceful carelessness of attitude. Their faces were full of sweet repose. Mr. G. Munger's "Treberwith, Cornwall," was a cleverly painted bit of sea, sky, and rock. "Foundlings," by Mr. Haynes Williams, was full of human interest, as well as artistic merit. Each orphan's countenance was cleverly individualised, and the work was powerfully painted. Mr. Val Prinsep's "Death of Cleopatra" fell below the usual level of his work. "Daisies," by Mr. C. Bauerlé, was a charming head, in the full, fresh beauty of early childhood. "King Lear Disinheriting Cordelia," by Mr. T. R. Herbert, R.A., was a *replica* of the large fresco executed by this artist as one of a series of eight scenes from British poets which adorn the walls of the upper waiting-hall in the House of Commons at Westminster. "Moses Viewing the Promised Land," by Mr. R. Dowling, was a dignified composition.

Mr. F. Ditton's "House of the Sheikh Sedat, Cairo," was a brightly painted bit of Oriental architecture. Mr. E. Hargett's "Loch Sing" was a massive subject, well treated. The bright, broken foreground and the cattle to the left were masterly in execution. The "Death of George Villiers, Duke of Buckingham," by W. W. Winfield, was the finest example of chiaroscuro in the whole collection. "A Modern Bacchante," by C. E. Perugini, was a lovely picture of a young girl, full of beauty and happiness, in the midst of an English hop garden. Mr. H. Weigall's "Trumpeter" was very effectively painted.

One of the noblest works of modern times is Sir Frederick Leighton's cartoon, "Industrial Art as Applied to War." The Lords of the Committee of Council on Education deserve the gratitude of all art students in Victoria for the loan of this valuable picture. Nearly sixty figures are introduced. Some are buckling on their armour, others are testing their swords, others are burnishing shields, and others unfolding their ensigns, while a group of women in one corner are busily plying their needles on tabards and banners. Mr. Frank Dillon's "Japanese Interior" was bright in colour, harmonious in arrangement, pure in tone, and careful in finish. "Amongst the Rocks, Glencoe," by T. S. Cooper, R.A., is a splendid work, by a great animal painter. Mr. F. Barnard's "Scene from Barnaby Rudge" is a popular hit. Dolly Varden has just come down to breakfast, looking "as fresh as paint," while Gabriel chucks her under the chin with unconcealed admiration of her bright and girlish beauty, and Sim Tappertit surveys them both with cynical moroseness, biting his thumb-nail to the quick. "Lady Teazle," by Mr. T. F. Dicksee, might serve as a portrait of the beautiful Elizabeth Farren, who took her leave of the stage in that character. "Bedouin Caravan *en route* to Mount Sinai" may vie with the best works of Mr. F. Goodall. It is by Mr. R. Beavis, and depicts a file of camels crossing a stony ridge in the hot glare of a cloudless sky, when the sand is burning under foot. Mr. Colin Hunter's "Salmon Fishers, Loch Fyne," was chosen for the gold medal. It is a study of shoal water with a strong ripple on it, seen under the influence of a diffused light. The colour is laid on with an almost audacious thickness and breadth; but the result at a distance is very fine. "An Appeal for Mercy" is a work of great merit by Marcus Stone, A.R.A. While yet a lad he made book illustrations to please his father's friend, the late Charles Dickens. Coming under French influence, he has greatly changed his style, and by close study risen to an unexpected height. This painting is a story of the Reign of Terror. "Morning in the Market Place, Cairo," is a careful study of architecture, character, costume, and atmospheric effect in a city rich in picturesque *motifs*. It is by Mr. Dowling. Mr. J. Faed's striking historical picture of "James the Fourth before the Battle of Flodden" attracted much attention. While the King, according to the chronicler, was at his devotions in the church of Linlithgow, there

came an old man to him in a blue gown, with "brodekins on his feet and long fair hair falling down his back, who demanded an audience of James, and, without any reverence, leaning on the King's desk, began to address him. Then, while the King meditated what answer he should make, the old man melted into air, and shortly after James fell, nobly fighting on the field of Flodden." The "Anxious Mother," by Mr. Ansdell, represents a long-wooled ewe with two black-faced lambs, who have apparently been frightened by some dogs and guns, and have retreated to a lofty knoll, from which secure post of observation they scan the distant danger. The "Unwilling Salute" is by J. C. Horsley, R.A., in which the veteran painter of the light comedy of painting has depicted a scene under the trees in Kensington Gardens in the time of Queen Anne. "Cupboard Love," by the same artist, is bright in colour, and contains some pretty smiling child's faces looking up at their nurse, who stands with a smaller child in her arms, and the keys in her hand, ready to give them out some dainties.

"On the Housetops," by Mr. A. Elmore, R.A., is a modern illustration of the Scripture words, "That which ye have spoken in the ear shall be proclaimed upon the housetops." The "Jolly Postboys," by Mr. H. S. Marks, R.A., is a humorous reminiscence of the old days of the chaise and six. "Autumn Afternoon near Amsterdam," by Mr. G. S. Walters, is warm in colour and harmonious in tone. In Mr. T. O'Connor's "Granada," the Alhambra is seen basking in the light of the afternoon sun, while the chief part of the city, in the hollow below, is buried in shadow. The snowy summits of the Sierras are visible in one direction, while in the other the Vega stretches away to meet the mountains.

WATER-COLOURS IN UNITED KINGDOM GALLERY.

Sir John Gilbert's "Louis XIV. Transacting Business with his Ministers in the Apartment of Madame de Maintenon" is painted in a rich key of colour. The value of the picture is enhanced by the fact that all the faces introduced are portraits. Mr. E. A. Goodall was represented by three pictures, one of which conducts us to "The Gate of Judgment" in the Alhambra, outside which the Moorish kings were accustomed to sit administering justice. A second was a view of Venice by sunset. Mr. Goodall's third picture represented "The Remains of the Causeway which originally connected Memphis with the Lileyan Hills." "Alfred Tennyson," by Mr. Hubert Herkomer, A.R.A., might have been easily mistaken for an oil painting, it is so full of strength and solidity. Mr. J. A. Houston, R.S.A., whose water-colours are well known and greatly appreciated by buyers in this colony, contributed eight works, in every way worthy of his high reputation. "Loch Vennachar and Ben Venue," and "Loch Earne," may be specially mentioned. Mr. J. Mogford contributed five works, which touched a high point of excellence. "A Path through the Ferns" showed a foreground rich in bracken, mellowing under autumnal influences. "Colzean Castle" (on the west coast of Scotland) and "Cornish Harvesting" were both choice examples of this artist's pencil. "Madame Desmoulins," by Mr. J. Absolon, as standing in the gardens of the Luxembourg Palace, gazing on the walls of her husband's prison with a countenance full of touching sadness. Mr. E. G. Warren's "A Clearing in the New Forest, Hants," was a noble study, on a large scale, of a magnificent group of beech trees. The distance had all the misty tenderness which characterises the far perspective of a forest glade. "A Signal of Distress in the Offing, Goriston Pier, Great Yarmouth," by E. Hayes, was a large and very fine drawing of a subject full of old England and her storm-beaten coast. Carl Haag had one of his interiors—"In the Cloisters of the Stiptskirche at Berchtesgarten, Bavarian Highlands"—a picture with a beautiful effect of light, skilfully treated. "The Choir of St. Mark's, Venice," by Miss Clara Montalba, had all her usual force, and occasional want of finish. In other productions, Mr. N. Chevalier's "Te Anau Lake, New Zealand," was one of the finest water-colour drawings from this artist's pencil. The scene is a magnificent one, and in point of atmosphere nothing is left to be desired. Louis Haghe's "Road Loft in the Church of Dixmude, Belgium," was a splendid piece of architectural drawing. Mr. J. A. Benwell's "Desert Travelling in the Valley of Mount Sinai" was a brilliant reminiscence of oriental colour. James W. Smith had one of the loveliest bits of English country in the Exhibition—a few cottages, with bushes and trees behind, and in the foreground heathery mounds, purple with the little bells. "Anxious Moments," by F. E. Maplestone, was an interesting drawing of a scene laid in the time of the civil war. "Thirlwall Castle, Northumberland," by H. G. Hine, was a fine bit of architectural drawing.

THE DEPARTMENT OF SCIENCE AND ART, SOUTH KENSINGTON, LONDON.

This department is charged by the Government with the administration of the South Kensington Museum and schools of science and art throughout the United Kingdom, including the science classes, and the National Art-training School, established at South Kensington for the instruction of teachers. The exhibits under this head comprised—"Linear Drawings by aid of Instruments;" "Freehand Outline Drawing, Rigid Forms from Flat Examples or Copies;" "Freehand Outline Drawing from the 'Round';" "Shading from the 'Round';" "Anatomical Studies;" "Flowers, Foliage, &c.;" "Painting from Nature, groups of still life, &c., as compo-

sitions of colour ;" "Elementary and applied designs." Some of these were remarkably well done.

Painting and Etchings by James Barry, R.A. (born 1741, died 1806), have been given to the trustees of the Public Library, Melbourne.

SCULPTURE AND DIE-SINKING.

One or two medallions, by A. Bruce Toy, under this head, were worth noticing—one was of Mrs. Siddons ; another of the Viscountess Monck. "The Song of the Shirt," by Marshal Wood, was an interesting piece of sculpture. There was a frame of specimens of engraving and die-sinking, heraldic painting, seals, &c., by Harry Soane, which were very well done.

ARCHITECTURAL DRAWINGS AND MODELS.

This collection was very good. Mr. Pearson, R.A., sent "St. Augustine's Church, Kilburn," which was greatly admired. J. Oldred Scott had a "Design, submitted in competition for the new Examination-schools for the University of Oxford." "Brambletye" (designed and built for Donald Larnach, Esq., by T. Roger Smith) was a charming water-colour. The "Interior View of the Index Museum, Natural History Museum, South Kensington, London," by Alfred Waterhouse, A.R.A., F.R.I.B.A., was splendidly executed. "Messrs. Doulton's Studios, Lambeth, London," by Messrs. Farringham and Wilkinson, was a good architectural study. H. E. Coe sent a splendid design—"First Premiated Design for the Foreign Office, Whitehall, London."

ENGRAVINGS AND LITHOGRAPHS.

"Happy as the Day is Long" was by W. H. Simmons, after T. Faed, B.A. It was an artist's proof, and capitally executed. "Her Majesty the Queen, with her Grandchildren, Prince Albert Victor, Prince George, and Princess Victoria of Wales," after J. Saub, R.A., by Thomas Oldham Barlow, A.B.A., was a very pleasing engraving. Some etchings by A. Ballin were also very good.

PHOTOGRAPHS.

There was a large collection of photographs, some of which were very meritorious. One or two were by the instantaneous process. These were artistic studies from nature.

Besides these were a good many maps and other documents exhibited by the Ordnance Survey Department of Great Britain, which were presented to the Public Library of Victoria at the close of the Exhibition. There were also some photo-zincographs of the Domesday Book (in separate counties), National MSS., Anglo-Saxon MSS., the Magna Charta, and the National Covenant of Scotland.

THE UNITED KINGDOM VICTORIA CROSS GALLERY.

The order of the "Victoria Cross" ranks amongst the happiest conceptions of our age. It is thoroughly English in every particular, given alike to the highest and the lowest in rank ; but given always with a cautious and discriminating hand. In itself without any intrinsic value, and yet, because of its symbolism, held to be inestimably precious. The Victoria Cross is an epic poem, and just such an epic poem as a true painter would like to produce in actual representation upon his canvas. Such pictures as form a "Victoria Cross" Gallery must of necessity command public interest and sympathy. They appeal to national feeling under a form which is certain to secure a becoming response.

To Mr. L. W. Desanges belongs the honour of having both originated the idea of forming a collection of pictures to be entitled the "Victoria Cross Gallery," and of having carried his own project most successfully into effect. Mr. Desanges is the great grandson of the Marquis Desanges, a French refugee of 1742. His earliest studies in art were made in Florence. At the age of sixteen he went to France, and studied for a short time under Grobon, at Lyons. As a portrait painter he takes a very high position. Having proposed to himself to paint two pictures illustrative of the Crimean war, Mr. Desanges selected his subjects—two of Her Majesty's park-keepers, Shields and Parker, both of them old soldiers, and decorated with the Victoria Cross, were to be the heroes of the pictures—and the work was commenced. From these two was developed the collection now amounting to upwards of half a hundred pictures. The Prince of Wales has always taken a lively interest in the progress of the undertaking, and the canvas which represents the gallantry of Colonel Lindsay was commenced under his roof at the White Lodge, Richmond. Mr. Desanges has exhibited his gallery of paintings at the Egyptian Hall. It was also placed for some time in a separate gallery in the Crystal Palace. The "Battle of Inkerman" was exhibited at the Royal Academy ; and Negretti and Zambra succeeded in obtaining one of their first-rate negatives from it, thus perpetuating the memory of that sad yet glorious November morning.

It seems strange that this collection should not have been bought as a national heirloom. Versailles is crowded with ill-drawn but stirring pictures of national heroism, lavishly paid for by the Government. Greenwich has its naval ; why should not Chelsea have its military

gallery? The value of the Cross thus illustrated would be incalculable both in the upper and lower ranks. We all know the quickening of the pulse which is involuntarily attendant upon a narrative of such actions as win that Cross; and therefore it follows, as a matter of course, that we should be roused and stimulated by the representation of these acts of bravery and "heroic self-devotion." Mr. Harry Wood bought the entire Victoria Cross Gallery from Mr. Desanges for £4000, and sent it to Melbourne as a speculation. We here notice a few of the principal pictures of the collection:—The "Battle of Inkerman," Mr. Desange's greatest picture, was of much merit; it is full of detail, and many of those represented are portraits from life. The great Duke is reported to have praised one of Allan's battle-pieces, because there was "not too much smoke." Notwithstanding the fires and the bursting of shells, Mr. Desanges has also kept the smoke within proper limits. The account of the incident is as follows:—Lord Raglan, anxious to gain some commanding point which would enable him to obtain a more definite notion of the disposition and numbers of the enemy, was moving with his staff along the ridge in front of the second division camp, when General Strangways, who was riding at his side, was mortally wounded by the bursting of a shell. The battle was raging on every side of the field.

No. 24 was a very interesting picture, though as a painting not carefully finished. It represented Lieutenant-Colonel Lloyd Lindsay, V.C., Scots Fusilier Guards. When the formation of the line of the regiment was disordered at the Alma, Captain Lindsay stood firm with the colours, and by his example and energy greatly tended to restore order. He stands with an earnest face, faithful unto death, in the midst of the enemy and the dead, bare-headed, whilst he clasps the colours. Twenty-five years of time have deprived the gallant colonel of some portion of his Adonis-like grace; otherwise there is not much change. Colonel Lloyd Lindsay has a seat at Wantage, below Windsor, and is heir-presumptive to the baronetcy held by his elder brother, Sir Coutts Lindsay, proprietor of the Grosvenor Gallery.

Among the large canvasses was (No. 3) Major C. C. Teesdale, C.B., V.C., at the battle of Kars, 29th September, 1855. It is a moonlight scene, and the glow of fires and bursting shells lights up the earnest face, as Teesdale disarms his glaring opponent. The enemy had penetrated during the darkness of the night into the redoubt, when Lieutenant Teesdale threw himself, sword in hand, into the midst of them, thus encouraging the garrison of defence to make a vigorous onslaught. This was one of the best portraits of the whole series. Colonel Teesdale has been one of the equerries in attendance on the Prince of Wales for many years. The gallant colonel may be seen any day strolling down Pall Mall, his hair perhaps a little grey, but wearing a moustache curled in precisely the same peculiar manner as on that unpleasant night at Kars twenty-five years ago.

No. 12 represented Sir Frederick Sleigh Roberts, V.C., earning his Victoria Cross in India, in 1858. At Khodagunge he saw in the distance two Sepoys carrying off a standard, and, without a moment's hesitation, galloped after them, and, cutting down the standard-bearer, recaptured the colours. Her Majesty has conferred upon Sir Fred. Roberts the Grand Cross of the Order of the Bath for his services in Afghanistan.

No. 8 depicted Commander John Talbot Burgoyne, V.C., and Lieutenant Cecil W. Puckley, V.C., landing by night at a port in the Black Sea, in presence of the enemy, and by means of lighted cigars, igniting their appliances and setting fire to the Russian stores. They are painted descending the rocks, with their cigars lighted, the foremost having his in his mouth, whilst the fire was raging behind. Captain Burgoyne was afterwards lost while in command of the ill-fated "Captain." His father, the gallant Sir John Burgoyne, who commanded the engineers in the Crimea, survived his loss but a very short time.

No. 19 was a small picture recording the bravery of Dr. Horne and Dr. Bradshaw, of the 90th Regiment. They were in charge of the sick and wounded, and having missed the road to the Residency, and penetrated into the heart of Lucknow, a fearful massacre took place. One of them is depicted as tending one of the wounded, whilst his comrade gave the word of command; slaughter and fire all round. With a very few survivors they gallantly defended themselves from behind some sheds until they were rescued from their living tomb next day.

No. 20 represented Lieutenant Havelock—now Sir Henry Havelock, Bart., V.C., M.P., and a vigorous opponent of the late Beaconsfield Ministry—severely wounded, lying in a dooley, deserted by the bearers, Private Pilkington, of the 78th Highlanders, having flung himself into it when wounded, thus causing them to drop their double load. Private Henry Ward stands beside them, having remained there all night, and with one arm stops a bearer who was in the act of decamping.

No. 21. Commander Hewett, V.C., R.N., before Sebastopol, refusing to believe in a mistaken order to retire, purporting to come from Captain Lushington, reminding one of Nelson placing his eye-glass to his blind eye, declaring he could not see such a signal. The boyish figure stands with one hand on the trigger, one man who was about to pull it having fallen mortally wounded with the end of the cord still held tight in his hand. The bright face and dauntless courage and coolness of such a mere lad give an added interest to this large painting.

No. 31. Sergeant Alfred Ablett, V.C., 3rd battalion Grenadier Guards. "On the 2nd of September, 1855, seeing a shell falling in the centre of a number of ammunition cases and

powder, he instantly seized and threw it outside the trench. It burst as it reached the ground."

No. 32 recorded an act of brave humanity, surpassing any dashing feat enacted when the blood is at a white heat, Lieutenant W. G. Cubitt, V.C., 13th Bengal Native Infantry, having, in the retreat from Chinhut under most adverse circumstances, and at the imminent risk of his own life, saved the lives of three men of the 32nd Regiment. He is painted on horseback, one wounded man clasping his waist, another supporting himself by the side of the horse, whilst on the other side Lieutenant Cubitt has his arm round, supporting his third comrade. All around are the enemy. This was a scene commanding our liveliest sympathy and admiration.

STRAITS SETTLEMENTS.

This little court contained some photographs of native groups, as well as views of Malacca, native towns, and Singapore.

NEW SOUTH WALES.

Prominently displayed at the entrance to the court of New South Wales, in the permanent building, was a splendid large oil painting of the Queen, copied by Her Majesty's express permission from Winterhalter's picture at Buckingham Palace, by G. Kobermeier, for the municipal council of Sydney. Opposite this painting was a silver statuette, being a *fac-simile* of the national monument to Captain Cook, erected at Botany Bay in memory of his discovery of New South Wales in 1770. A splendid photographic panorama of Sydney was exhibited in two compartments. J. H. Newman's autotype photographs of the scenery in the Blue Mountains were beautifully executed, both as to printing and delicate softness. The phototypes of the Fish River Caves, by Hart and Rouse, were very interesting. J. H. Boyd had a fine display of photographic portraits, amongst which were some carbon enlargements by single transfer. There were two exquisite pen-and-ink etchings by Mrs. Forde. The Technical College Mechanics' School of Arts sent some good drawings from the round and from plaster casts. Oil painting and water-colours of the scenery in New South Wales decorated the walls of the court. W. C. Piquenit sent two oils—one a lovely, harmonious sylvan scene, representing "Cook's River, Canterbury, from near Undercliff Bridge." A. L. Jackson's picture had an effective group of ferns in the foreground, the whole being a view of the fern-trees on the creek at Upper Kurrajong. E. Combes, C.M.G., sent several sketches of rural scenes at home, done in a good, bold style, and one or two of native scenes. C. E. Hern also contributed some water-colour drawings, one being "Govett's Leap," whilst another was a view "On the Dart, Devon." The New South Wales court in the annexe contained a splendid collection of sketches representing every variety of Australian orchids, sent by R. D. Fitzgerald. There were also some interesting carvings in stone and Australian beech, models in plaster, and a few sculptures. G. S. Thorpe sent some busts, models, and reliefs in marble, amongst which one veiled head was very carefully executed. Simonetti exhibited some life-size statues and busts, which were speaking likenesses.

NEW ZEALAND.

John Gully's beautiful water-colours of New Zealand scenery occupied a prominent position in the court, and numerous other paintings of New Zealand scenery were hung on the walls. A water-colour drawing of "Rangitoto Island" was interesting as having been painted by a crippled Maori boy. There were many water-colours of New Zealand flowers, notably those of Mrs. F. C. Rowan. The collection of ferns was very fine. H. Boscawen, of Wellington, sent pen-and-ink drawings on paper and parchment, reflecting great credit on his ingenuity. There were several carvings in kakanui and in Oamaru stone, and in the native white marble. A bust of the late native chief, Hapuka, was also exhibited. The display of photographic portraits was very good. The scenery of New Zealand was very well represented by numerous photographs.

QUEENSLAND.

The oil paintings in the Queensland court were not of the highest order of merit. J. A. Clarke sent some comic sketches as illustrations to two poems which appeared in the *Queenslander*, one of which was called "Roley-Poley People," the other being "Marsupial

Bill." A large collection of photographs, coloured in oils, was arranged on a board in the centre of the mineralogical exhibits; these two hundred and twenty pictures of every kind of Queensland scenery representing agricultural pursuits and mining districts, and sheep and cattle stations; others were of explorers and early pioneers, whilst an enlarged view of Brisbane (coloured) was hung in a conspicuous position.

TASMANIA.

Several oil paintings of different scenes in Tasmania adorned the walls of the court. One of these represented a river winding through large paddocks, where cattle were grazing; whilst in the distance were mountain ranges. A very interesting large oil painting had been done by Robert Dowling of some of the aboriginal inhabitants of the island; they were executed from original portraits, and the artist had presented it to the town of Launceston. Flower sketches were plentiful. A "Mountain Memory," by Mrs. Meredith, was a very tastefully executed collection of Tasmanian flowers and berries, painted on a screen in water-colours. Mr. James Fenton, of Launceston, sent a chart illustrative of the colony's history. It contained views of scenery and the history and statistics of the island, and must have been a work requiring great patience. It resembled a steel engraving. Miss E. Sherwin had several pencil drawings on view, one of which was an excellent likeness of Miss Amy Sherwin, the talented artiste. There was a cast of Laurie, the last aboriginal of Tasmania, and casts of native skulls. Besides these, there were two framed photographs of the last aboriginal man and woman.

VICTORIA.

The Victorian Gallery contained an interesting collection. On one side was arranged the display of loan pictures. Most of those contributed by Mr. Charsley were by Flemish masters. "A Landscape," by Joseph Vernet, and "The Guardroom," by Rembrandt, were specially interesting; whilst "Christ's Agony in the Garden" was beautifully treated by Sir Benjamin West. Mr. Aitken's pictures were chiefly by Italian artists. There was a "Madonna and Child" by Guido, a "Hunting Scene" by Salvator Rosa, and amongst others a much-disputed painting called "Italian Seaport at Sunset." The owner insists on its being the work of Claude Lorraine, which others deny, on the ground of the atmosphere and luminous bits not being in his usual style of broad, rich brightness; the figures on the margin of the water in the foreground were drawn by a master's hand, and that was one of Claude Lorraine's strong points, when he chose to exercise it. Mr. Walduck's pictures were choice examples of Martin and Corbould; and Mr. Birkmyre contributed also two paintings by the latter. There were several clever sea pieces, two of which were by O. W. Brierley; another, representing "A Grey Evening on the Cornish Coast," by Charles Smith. There were two hunting scenes by Wouvermans, and an effective "Candlelight" by Scholken. Dalgety, Blackwood and Co. lent two of Cooper's animal paintings. "'Tis Opportunity that Makes the Thief" was a capital scene in a neatly laid out garden of strawberry plants; some sheep were jumping over a broken fence into the forbidden ground, and feasting with great gusto on the ripe strawberries. Sir Godfrey Kneller's painting of Lord Somers, the first wigged Chancellor, was exhibited by E. R. Whitby; whilst Dr Lefevre lent the picture of "Dr. Johnson at Chesterfield House," by Catermole. Mr. Moulden exhibited a curious ivory miniature of "Hans von Griffendorf," executed in 1587 by Lucas Eufgat; and another beautifully-finished work was a miniature of Oliver Cromwell, done in 1656. "The Toilet of Venus" was a Roman cameo, very delicately handled, lent by Mr. Teale.

PAINTINGS AND DRAWINGS EXHIBITED BY THE VICTORIAN ACADEMY OF ARTS.

Fifty-five exhibitors contributed oil paintings or water-colour drawings to this collection. Amongst the artists were Henry Rielly, William Ford, C. D. Richardson, M. A. Campbell, and Mrs. Parsons, who contributed oil paintings, and F. B. Gibbes, John Carter, and three of those just mentioned, who sent some water-colours. Henry Rielly's picture is most aptly described by the inscription beneath it:—

Oh! summer land of silence; oh! land of beauty rare,
Where solitude lies brooding o'er hills and valleys fair.

These lines were taken from Meaden's Exhibition Cantata. C. D. Richardson's "Princess" was a very aspiring picture, the theme of which was taken from Tennyson's poem, whilst ideas in its working out were gathered from Long's beautiful painting of "Esther" in the Public Library of Melbourne. The figure of the Princess is rather stiff, and the head and face do not come up to the ideal; but the accessories are painted in with great

delicacy and care, and give promise for the future. Wm. Ford's study of "White Flowers" was very good, contrasting the yellowy white of the cactus with the pinkish hue on the roses, pure white lilies, greenish passion flowers, magnolias, geraniums, and begonias. S. Calvert showed an effective and attractive portrait of a girl, called "Light and Shadow."

Besides these Academy pictures, there were exhibits from sixty to seventy Victorian artists. Amongst the landscapes must be mentioned Mr. von Guérard's scenes in New Zealand and Victoria; Louis Buvelot's "Between Tallarook and Yea," which was a poetical rendering of Australian vegetation and the mountain ranges, with a characteristic little bit of bush life in the foreground; Isaac Whitehead's New Zealand scenes, and a view of Fernshaw, as seen in the early morning through an opening in the trees from the adjoining ranges; and Miss Riddell's work, "Near Mount Kosciusko." J. R. Ashton contributed several portraits, as did T. Flintoff, G. E. A'Beckett, and others. Those by F. Wolff were specially attractive, that of Mrs. G. C. Levey being one of the most effective, with its light French treatment of the background, expressive rendering of the features, and delicate manipulation of the lace and flowers. "A Child," by the same artist, was a full-length picture of a little girl in a low-necked white frock and broad blue sash. The flesh tints were very good, and the turkey carpet was very truthfully handled, all the accessories blending in so harmoniously with the central figure of the child, whose attitude was charmingly natural, that the picture attracted universal praise. Mr. Panton's copy of a little sketch by Admiral King was very interesting as a representation of the first Government residence in Melbourne in 1837.

On entering the Victorian Gallery, Mrs. Rowan's four-leaved screen was the most prominent feature of attraction. It consisted of beautiful arrangements of the native flowers of Victoria, New Zealand, and New South Wales, executed in water-colours upon black, pale yellow, pale blue, and crimson satin. Ten framed groups of Australian wild flowers and panels with lilies and various flowers, also on satin, were exhibited by the same lady. Some most artistic flower paintings were sent by Miss Purves. Miss Fanny Currey had, amongst other subjects, some spring flowers, and a clever sketch of "An Old Doorway in Brittany." J. R. Ashton exhibited a number of water-colours, amongst which "Early Morning on the Yarra" and "Queen's Wharf" were fresh, bright pictures. Mrs. J. E. Black sent a curious collection of Australian insects, painted in clusters on the branch of a tree. Theophilus Murcott also contributed some rural scenes. The heraldic paintings shown by Thomas Stevenson and C. Harper were most creditable, and gained special commendation. Porcelain-painting was represented by Lady Nicholson's plaque; some specimens by Mr. Murcott, amongst which a cup and saucer decorated with violets was very chaste; Miss Brush and Miss Parker also sent a variety of designs on ornaments and cups, plaques, and medallions. Miss Guillod, of London, contributed several porcelain paintings, the bluebells and cowslips being very light and graceful. Eight outline sketches by Bernhardt Smith, of Mansfield, were very original and mystic, with their figures in long flowing, pointed draperies.

There were a few medals, dies, and seal engravings, and several rural scenes cut out of stone which came from Wootong Vale, near Coleraine. Of architectural drawings there were upwards of twenty, by Messrs. J. J. Clarke, Paolo Dattari, Henderson, and Smart, Miss F. C. Niven, Messrs. W. Pritchard, Lloyd Tayler, and W. Weedon—all of which spoke well for the capabilities of the profession in Victoria. M'Gowan and Son's model in plaster of St. Patrick's Cathedral, and that of the Scots' Church by Mr. J. L. Bolger, attracted a good deal of attention.

There were excellent exhibits of wood engravings by Mr. R. Jenny, Mr. S. Calvert, and Mr. R. Bruce. Some blocks of boxwood untouched by the pencil, others drawn on and partly engraved, and others finished, furnished instructive illustrations of the wood engraver's art. Chromo-typography was also exemplified in its various stages by Massina and Co.; and lithographic art was worthily represented by the exhibits of Messrs. Hamel and Ferguson, Messrs. Trödel and Co., Mr. G. R. Ashton, and Mr. A. J. Watson. Some of the illuminated addresses were most beautifully designed and executed, several being decorated with flowers, others with flowers and sylvan scenes combined, others with descriptive subjects or buildings. Mr. Baird sent an illuminated original poem dedicated to the Princess of Wales, the decorations of which were beautiful. A sheet of vellum was ornamented by an artistic design of flowers in oils. Mr. J. Noone exhibited eight mounted specimens of photo-lithographic plans. A clever specimen of pen-and-ink drawing was by Mrs. J. J. Gourlay, done at sixty-five years of age. Another most extraordinary work of patience was a specimen, or rather an immense sheet, of framed writing, executed by J. Meeks, being a condensed history of Victoria to 1860. Perugia and Son, J. Scurry, and Wm. Scurry, jun., contributed sculpture and busts. The "Diomedes," copied from the antique by the latter, was a good composition; and one or two of J. Scurry's busts were very life-like. J. R. Peppercorn sent a well-designed group for the centre of a conservatory, with a fish basin.

All along the outer wall of the gallery were innumerable photographs, sent by different boroughs, of local views. N. Caire and C. Nettleton exhibited forest scenery and country views.

Foster and Martin, Johnstone, O'Shanassy and Co., J. W. Lindt, and Tuttle and Co. sent splendid displays of photographic portraiture. The "Miniature of a Gentleman" by the first of these was a most artistic production. Johnstone and O'Shanassy had a whole array of coloured photographs in every style, some of which were highly finished. Mrs. Bennett and A. E. Taylor sent specimens of the art of photographic colouring.

The various schools of design in the suburbs of Melbourne, at Talbot, Footscray, Geelong, and Ballarat, exhibited specimens of the pupils' work. Some of the work sent by the Hotham and Ballarat schools was very praiseworthy, being copies from the round and architectural drawings.

A painting from the round, in oils, of "Apples," was splendidly executed by Mr. A. Nicholson, of the Audit Office. It did not form part of the schools of design exhibits.

WESTERN AUSTRALIA.

Mr. Prinsep's picture, "A Tale of the Southern Seas," is interesting on account of the tale it tells. Mrs. Boldt, the heroic wife of Captain Boldt, of the "Moorburgh," steered the vessel safe into port through a terrible gale in the Pacific, the crew being dead, and her husband and the mate unable to take any part in the management of the vessel. The wild flowers of West Australia were represented by twenty framed water-colours, painted by Mrs. Rowan. There were photographs of Bunbury, Albany, and other towns; and the Survey Department sent specimens of photo-lithographs executed in the Government Photo-lithographic Establishment. A model of Government House on the island of Rottnest was also exhibited.

UNITED STATES OF AMERICA.

There was only one oil painting in this court, by P. C. Weber, "Grand Cross, Grand Manon Island, Canada." The subject was a shipwreck off a desolate, rock-bound coast. Some of Forbes's lithographs are well known and of superior style, such as "Quatre Bras," "The Roll Call," and the "Retour de la Pêche." The Americans had also a good collection of photographs.

GENERAL EXHIBITS.

AUSTRIAN COURT.

THE Austrian court, with its stately fern-trees and beautiful flowers, its draperies and flags, and the unique display of exquisite glassware along its frontage, was one of the most striking features of the Exhibition. Nothing could exceed the beauty of the Bohemian glass. Foremost in the rank of exhibitors was Count Harrach, of Neuwelt, whose life-passion has been to bring this exquisite industry to as great a perfection as possible. The frontage of Count Harrach's exhibit, at the entrance to the court, was chiefly devoted to table sets of glass, with different beaded or linear patterns, mirrors, and cut decanters and flower-bowls. A table covered with amber glass had a charming effect. The ruby glass was enriched in some instances by fine enamellings in gold and white. Then came the crackled glass, covered with a thousand apparent fractures, produced by plunging the object into ice-cold water when heated to a certain point, and then replacing it in the furnace. Beautifully enamelled green glass drinking-cups were also shown, one of which had a knight in full armour, in the style of the fourteenth century, depicted on it. Passing to the stands of other exhibitors fresh beauties met the eye. J. Schreiber and Nephews showed specialties of aquamarine, some of which were brilliantly enamelled in white and marbled glass.

Hermann Müller's display of cut glass was extremely fine. One cut glass jug, which took the artist nine months of constant labour, had a series of classic designs engraved upon it, every detail of which was perfect. Julius Mühlhaus sent samples of china inlaid in the glass, with lovely sketches painted on them; and the dark hyalith, with its white enamelling, was very beautiful. A casket shown by Wagner was said to be 300 years old, and the paintings of the four seasons executed on the lid and sides were little gems. Hegenbarth's Heirs displayed a fine collection of hollow glassware, candlesticks, and table sets; and Lazarus and Rosenfeld had several vases with pretty children's figures painted on them. S. Reich and Co. had a nice assortment of lamps and other glassware.

The porcelain from Vienna was magnificent. Under the dome, in another section of the Austrian court, was a handsome show-case containing beautiful paintings on china by J. Lasche, academic painter in Vienna. Radler and Pilz sent elegant specimens in the old Viennese and other styles; and Haas and Czjzek, of Bohemia, exhibited a beautiful set in white, with a blue and gold border. Ernest Wahliss, of Vienna, had a large assortment of china, some of very chaste designs. W. Zsolnay had articles of table use in Wedgwood, Turkish, and old Indian patterns.

Austria made a splendid show of electro-plated ware. J. L. Hermann exhibited handsome epergnes, mirrors, church-plate, urns, tea services, and vases. The Berndorf Manufactory also had some striking new designs amongst their articles. There were numerous and brilliant displays of garnets, which is one of the specialties of Bohemia; and A. Bohm had a fine collection of imitation jewellery. On the platform at the western end of the court was a bronze bust of the Emperor, taken from Victor Tilgner's model, for which his Imperial Majesty gave him three sittings.

The department of furniture comprised a large display of the elegant bent-wood suites from Thonet Bros., J. and J. Kohn, J. Eissler and Sons, and D. G. Fischel and Sons. J. B. and R. Ludwig, of Vienna, had fitted up an elegant rococo boudoir; and some chairs may be specially mentioned which were made at the Industrial School at Mariano, in Istria, and sent by the rector. Venetian blinds and frames of every variety were shown; and a large case of embroideries, sent by E. A. Richter, was amongst the upholstery. C. Giani's exhibit in the northern transept came under this heading, with his patterns of furniture stuffs and antique embroidered drapery. The patterns of parquettes for flooring from C. Leistler, of Vienna, were of every variety. Novelties in walking-sticks were displayed by J. Nagl and Mattich, of Vienna; and a number of large show-cases were devoted to pipes of meerschaum and amber, tobacco-boxes, and other smoking materials. The collection of Schönberger Bros., of Vienna, contained some elegant designs. Amongst the fancy articles A. Klein's exhibit took first rank.

The art of paper-making was largely represented. Sporline and Zimmermann sent tapestry wall decorations; whilst the Joint Stock Co. of the I.R. Privileged Paper Manufactory of Schloglmühl; Eichmann and Co., of Arnau; M. Kink and Co., of Vienna; C. and W. Weiss, of Prague; and the Neusiedl Share Co., of Vienna, and several others, sent shows of the best

Austrian paper. F. Pentl's Sons, of Graz, had a beautifully-arranged case of fancy papers and cards. The writing paper and envelopes of Theyer and Hardtmuth were also very tastefully got up. Excellent specimens of book-printing may be mentioned here. Hogarth's Works, as exhibited by the Brünn Chamber of Commerce; Messrs. Artaria and Co.'s lithographic samples; the Statistical Work on the Coalfields and Iron Ores of the World; and a geological map, in chromo-lithography, of the Austro-Hungarian Monarchy.

Musical instruments were numerous in the Austrian court. On the platform at the western end were five grand pianos from the manufactory of Ludwig Bösendorfer, of Vienna. One of these instruments contained a "tuning-post," which was a novel patent invention, whereby the rigidity of the "tension-bars" can be regulated at pleasure. Charles Hofmann had two "diminutive pianos," being miniature grands, in whole iron frame (a recent invention, and said to be the shortest instruments on the Continent). L. Holzl had two excellent pianos in plain walnut cases. Apart from the pianos were orchestral instruments of every kind; and a great variety of toys, amongst the latter being a collection of jew's-harps, ocarinas, and toy-trombones.

The chemicals and surgical instruments come next under notice. F. Wilhelm and Co. had a beautiful show-case of various drugs, with wreaths and bouquets of dried herbs and flowers. One of the walls of the court was lined with cases of perfumery, A. C. Diedek and Son, perfumers to H. I. Majesty, having a specially good assortment. G. Taussig displayed every kind of imitation fruit and vegetables in soap; besides which were exhibits of *rákóczy* and other waters, and salts. Cereals were represented by samples of malt, wheat, yeast, and clover seed; chocolate and different sugar articles were sent by L. Pischinger, of Vienna; A. Tschinkel. Sons, of Bohemia; and A. Valerio, of Trieste. M. J. Ripka and Co., of Brünn, sent sugar. There were numerous samples of Hungarian wines, and of spirits and liqueurs, amongst which were *maraschino*, from Dalmatia, and "*Vino Santo*," exhibited by G. Sommadossi, and F. Tommasich, of Capo d'Istria. Sardines, anchovies, and salted *sombres* were also included amongst the alimentary products. Capital exhibits of linen and cotton goods were sent by the firms of G. A. Frohlich's and Son, A. Reiss, E. Berger, and H. Klinger. The latter was an interesting display of canvas and coloured linens, for military, technical, and household purposes. E. Berger had a few handsome tablecloths and tea napkins.

The woollen fabrics were of excellent quality. The Chamber of Commerce and Trade, Brünn, sent splendid goods; whilst F. Liebig, of Reichenberg, Bohemia, who holds an imperial privilege, and does an enormous business, had a tastefully-arranged, creditable exhibit.

The few specimens of laces in the Austrian court were very beautiful. F. Bollarth sent a handsome collar and cuffs in the Louis XIV. style; and J. Stramitzer displayed some exquisite articles, fan-covers, parasol-covers, &c. T. Daubek's and Son had chenille shawls; and Mdme. Amalia de Brunfaut's glass wool fancy articles were very pretty. Gloves, mother-of-pearl buttons, and hosiery of various kinds were exhibited; D. Schwarzmänn and Co. being the largest exhibitors of men's clothing. The Vienna Boot and Shoe Co., already a large exporter to the colonies, was represented by a handsome show-case of goods; and A. R. Loewenstein's exhibit consisted of specialties in ladies' boots and shoes, which were highly finished. A. Rueff and Co. sent a collection of *sparterie* hats and fancy articles. They were made of wood sliced into thin stripes, which can be applied to all the purposes for which straw is used.

The pretty ball chains made of various metals exhibited by J. Bolzani Fils may be mentioned here; as well as H. Potiebrad's gold and silver jewellery. The leather exhibits were very fine. M. Grünfeld's specialties of horse leather were sent by the Brünn Chamber of Commerce and Trade, calf and cow skins by A. Welponer, and glove leather by H. M. Eckstein. Travelling trunks came from K. Schittenhelm's and Son. Cutlery was represented by five different houses. Tinned and enamelled ironware was displayed by A. Bartelmus and Witte, of Brünn; Haardt and Co., and F. Quereser. A. Rast and Co. had some sewing machines, and there were scythes, sickles, files, wire, and tacks and nails, and fire-proof safes from F. Wertheim and Co., all of the best quality. J. Weiss and Son had a wall exhibit of joiners' and coopers' tools, &c., arranged with the greatest taste. The carriages and other vehicles exhibited by Messrs. Lohner and Co., Schustala and Co., and Johann Weitzer, were both elegant and strongly built.

THE BELGIAN COURT.

Belgium, which possesses an area of 11,000 square miles, with a population of five and a-half millions, has made marvellous strides since 1831, when she commenced her separate existence. In 1878, at the Paris Exhibition, Belgium astonished the world by the grandeur of her show; and out of 1215 exhibits, 992 received prize medals. The proud position she now occupies is mainly due to the frugal habits and industry of her people, although enterprise and natural resources must be considered as well. The principal exhibits in the Belgian court at

the Melbourne Exhibition were—A trophy of wrought-iron and steel, erected by the Société John Cockerill, founded in 1817 by the Englishman whose name it still bears. The works of the John Cockerill Co. cover 220 acres, and the annual salaries of the *employés* amount to half a million sterling. Their exhibit comprised a steel rail 200 ft. long, coiled cold; several sets of figured iron, steel connecting rods and a crank axle for locomotive engines, wheels in wrought-iron, steel axletrees, tyres, springs, chains, embossed and weapon plates, chased boiler bottoms, and all kinds of foundry stock. The Cockerill Co. take the lead of all other manufactories of the world in these branches. Another handsome exhibit in this line was from the Société Anonyme de Marcinelle and Couillet. This firm employs over 6500 hands, their production being valued at a million and a-half sterling per annum. They had, amongst other things, one of the most compact locomotives ever constructed, and of novel design in some respects. This engine was made for a line of 1 ft. 11 in. gauge, and ran upon four wheels placed comparatively close together; consequently possessing the power of traversing very sharp curves, such as would be likely to occur on tramways for mining and other temporary purposes. Photographs of engines, &c., were shown by this firm, as also by the Cockerill Co.

Messrs. Montefiore had an exhibit of wires, and different articles of phosphor-bronze, a new alloy. This material is harder than common bronze; moreover, trials have proved its strength of flexure to be superior, while it resists torsion better than any metal known.

A trophy of nails was exhibited by the Société Anonyme des Corderies et Clouteries de Chatelet, as well as iron rope. A. Fix, of Brussels, and J. Ancion and Co., of Liège, also had nails of every description. Liège is celebrated for its fire-arms. These were displayed in several cases, arranged very attractively. M. Tambour sent cheap revolvers, and J. Ancion and Cie. breech-loading rifles; whilst Messrs. Pirlot and Fresart's revolvers showed good workmanship. Several makers exhibited safes of various kinds. Amongst these were E. Allebos and G. Hoorickx. Ortmans et Fils had a prettily-arranged collection of machine-made horse-shoes.

Tremouroux Bros. sent a great assortment of enamelled wrought-iron utensils, at very low prices. Portland cement was exhibited by Josson and Delangle, of Antwerp. H. Puissant, of Court St. Etienne, sent a crucible made of very pure-looking welded iron. An association consisting of 17 firms, known as the Syndicate Liegeois, was represented here by M. Renard. They had a pyramid of rails and railway material, axles, &c., erected at the corner of the court to a height of 20 feet. The show-case of the Société des Acieries d'Angleur contained Bessemer's steel, and fractures of iron and steel, mining tools, rails, and tyres. Messrs. A. Dawans and Orban sent fencing-wire; they also showed the pliability of their wire by a variety of knots. Messrs. C. Thiriart and Co. exhibited a small portable fire-engine, which appeared useful for farms or places where no pressure of water exists. M. H. Marchot contributed a collection of charcoal and Swedish sheet-iron, varying in thickness. Messrs. Francotte, Pirlot and Cie. exhibited zinc and copper in sheets, and brass boilers beaten out of sheet metal, useful for domestic purposes. Hamal-Mouton contributed single and double-blast portable forges, suitable for army and bush requirements. Messrs. G. T. Jowa sent apparatus for telegraphic posts, and samples of galvanised iron. The Société St. Leonard contented themselves with sending photographs of locomotives, &c. Some of the designs were very elegant. Messrs. R. B. Turner and Co. exhibited skates, horse-clippers, and sewing machines.

Belgium has some very good marble quarries, and the display of marble in the piece, as well as a variety of beautifully-designed mantelpieces, was very interesting. The manufacture of glass is one of the native industries of Belgium. Glass was very well represented at the Melbourne Exhibition. The Agence Générale de Vente de Glaceries showed two immense sheets of plate-glass, one polished, the other silvered, 9 ft. 6 in. high by 4 ft. 5 in. A good show was made of classical and other subjects burned into ground glass by an entirely new process.

Belgium excels in substantial kinds of pottery, but these were poorly represented. Messrs. Maertens and Welz showed an assortment of Dutch tiles. The manufacture of paper thrives in Belgium. The largest exhibit under this heading was sent by Messrs. Pfeffer and Co., of Ghent, who supply paper-mills with the raw material and then sell the manufactured paper for them. This firm employs 4000 hands. Messrs. de Broux and Co. exhibited printing paper in sizes and rolls for continuous printing, a vegetable parchment, and different coloured stiff and supple papers. L. Biermans had a case of playing cards, and A. and B. Vanderborcht sent printing materials and types.

CLOTH MANUFACTURES, ETC.

Every one has heard of Belgian Verviers cloth, Ghent cottons, and Brussels lace. The latter was, however, but poorly represented at Melbourne. Spinning and weaving are staple industries of Belgium. As early as A.D. 1170 Verviers was known as a centre of cloth manufacture; and in 1432, so great was the demand and so large the concourse of foreign buyers, that a cloth market had to be built. Over 800,000 spindles are employed in the manufacture of threads and cotton yarns, and 25,000 are used for jute and hemp, yet the majority of the fabrics are hand-woven. In 1877 Verviers worked up 100,000 bales of wool, turning out

400,000 pieces of cloth, besides exporting 33,000 bales of worsted. Two immense stands, covered on either side with sample lengths, represented this industry. There was an excellent model of a woolpress sent by Madame Snoeck, of Verviers. Messrs. Druwe and Henderickx exhibited every kind of thread for cloth, saddlery, and lace. There was a good show of leather for beltings by J. Rasquin, of Liège, and the Société Anonyme de Tannerie et Maroquinerie Belges had a very tastefully arranged exhibit of leather radiating from a blank centre in all the colours of the rainbow. There were also prepared furs from Zuree and Co., and every variety of rabbit skins.

CHEMICALS.

In 1866 the export of chemicals was valued at £81,000; in 1876 it was over a quarter of a million. Messrs. Solvay and Co., of Couillet, who are the foremost chemical manufacturers in Belgium, made a large display of pure alkali and chemicals, derived direct from carbonates of soda. The first announcement of the discovery of M. Ernest Solvay of manufacturing ammonia soda was made at the Vienna Exhibition, and the demand has become so great that the firm send out 50,000 tons a year of it. Messrs. G. Botelberge and Co., of Ghent, the only manufacturers of ultramarine blue in Belgium, sent a pretty stand of blue in blocks, balls, and powder. This firm make over 800 tons a year of blue.

Messrs. G. G. Verzyl and Cie., of Louvain, had a small case of nitrate of soda, chloride of potassium, saltpetre, sulphate suet of ammonia, and other chemicals. E. van Speybrouck showed coatings for preserving wood, metals, ships' hulls, &c. Candles were also exhibited by the "Manufacture Royale de Bougies d'Anvers" and the "Manufacture Royale des Bougies de la Cour," of Brussels.

FURNITURE.

Belgian furniture was not largely represented. Under a canopy were arranged different articles of furniture; and one or two old pieces of tapestry were also on view there.

Ranged along a wall at the end of the court were splendid specimens of patterns of wood-floorings, an industry peculiar to Belgium. Kitchen and hot-air stoves were exhibited by C. de Lairesse, of Liège. Omnazez and Brauburger had some marble timepieces, which were very cheap, owing to the marble being quarried and worked near the same spot. Messrs. Byl, Sons and Co., of Grammont, had an attractive case of match-boxes grotesquely ornamented, the matches themselves being tipped with phosphoric paraffine.

ALIMENTARY PRODUCTS.

Messrs. Vanderschrieck Brothers, of Brussels, sent a stand of fruits and syrups. E. Remy and Co. had a splendid case of rice starch, and J. F. de Bontridder showed vermicelli, macaroni, and pure rice starch. There were several exhibits of liqueurs and elixirs, the fermented drinks being mainly Geneva.

EDUCATION.

The school desks shown in the Belgian Court were of different kinds, and were distinguished by some novel features. An interesting exhibit in this line was a plain black globe, marbled with the parallels of latitude and longitude; and as its surface resembled a black-board, maps of the hemispheres, or of the continent, could easily be traced on it in chalk. The Institut Cartographique Militaire de Belgique sent some excellent maps. A ventilating stove was also shown for schools. It was of very light iron, easily taken to pieces, and was warranted not to smoke. Official reports were furnished on educational matters, and some specially interesting information given on the course of instruction of the special schools of arts and manufactures.

In addition to an agricultural college, there are 32 industrial schools, together with 59 training establishments for apprentices; besides the technical school at Mons, and a few others. These schools were stated to have trained since their foundation no fewer than 21,922 artisans.

PIANOS.

Pianos were the only musical instruments sent from Belgium, the principal exhibitors being Campo Brothers, of the Royal Manufactory of Pianos, Brussels. Messrs. Lichtenthal and Co. founded the business in 1827, when they made a specialty of their cross-strung square pianos, which they claim to have invented before the American Steinway. This house took prize medals at the London and Paris Exhibitions. Amongst their exhibits were a cross-strung oblique semi-grand piano, of seven octaves, in walnut case; an elegant cottage piano, and a piccolo piano, of seven octaves, in a plain polished black case, of very low price. B. van Hyfte, established in Ghent in 1835, exhibited an attractive-looking cottage piano, of seven octaves; and G. A. Berrens, of Antwerp, had four cottage pianos, of seven octaves, constructed on the Herz principle, the cases of which were nicely ornamented, notwithstanding the cheapness of their price.

FRENCH COURT.

The different French houses were mostly represented by three large firms of commission merchants, Messrs. E. Gay, Lamaille and Co., Messrs. Arlès-Dufour and Co., and Messrs. Wèdeles and Co. M. Lix was also agent for about two hundred houses, and some chambers of commerce and Government departments sent out exhibits and delegates.

Many of the business houses in France are old establishments, having been handed down from father to son for generations. Such firms have survived the revolution of 1793, the first empire, the Bourbon interlude which followed it, the revolution of 1830, the downfall of the Bourgeois King, the republic of 1848, the *coup d'état*, the second empire, and the commune. The firm of Messrs. Japy Brothers and Co., of Paris, who exhibited clocks and watches, has been in existence 120 years. A few other Parisian houses represented at the Exhibition lay claim to a similar distinction of age. M. Lyonnet, maker of perfumes, established in 1770; Messrs. Arthus Brothers, leather manufacturers, established in 1775; M. Mauge, looking-glass manufacturer, established in 1790; and M. Vitry, cutler, established in 1795. Some of the Besançon watchmaking houses represented were founded in 1793 by political exiles from Switzerland. Messrs. Roduwart Brothers, saddlers and harnessmakers, of Paris, took care to inform the public that their house was established in 1797. Messrs. J. M. P. Carrière and Son, tanners and curriers, of Millau, were founded in 1793 by Messrs. Paul Carrière and Son, "and have continued without interruption unto this day." The house of Messrs. Arlès-Dufour and Co., commission merchants, of Paris, was established in Lyons in 1805, under the title of Dufour Brothers and Co., and has remained ever since in the family.

The front of the principal French Court down the central avenue was decorated with the French colours. Higher up were exhibited shields bearing the names and coats-of-arms of the chief cities of France. Of course, the crown displayed on the shields of the republic is mural.

EXHIBITS OF THE MINISTRY OF PUBLIC INSTRUCTION.

The collection of exhibits from the Departments of Public Instruction and the Municipality of Paris were under the care of M. de Montmahou, Inspector-General of Schools in the department. It included a large number of books and other appliances used in the State-schools of all classes; and statistics and other information relating to those institutions. The Metropolitan Municipality sent views of Paris, including some of old streets which have been demolished in recent times to effect improvements. There were also books containing information about Paris, and views of the Hôtel de Ville, which was burned by the Communists in 1871. The Minister of the Interior contributed records and plans of charitable institutions. There were also reports from the General Administration, from the Departmental Administration, from the Communal Administration, and the Penitentiary Administration. M. Journet, engineer of roads and bridges, was in charge of exhibits from the Public Works Department, comprising models and sections of bridges and aqueducts, plans of harbours, &c.

EDUCATION, APPARATUS AND PROCESSES OF THE LIBERAL ARTS.

Class 6 and 7 included several methods for reading music and learning the piano. E. Fenillet sent a new method for teaching languages. Under the class of printing, books, &c., were many plates, scientific works, atlases, and dictionaries. There were also periodicals and different lithographic and chromo-lithographic specimens. The stationery, &c., included every variety of inks and colours, with paper of every description. A. Dubourget had a stand of elegant inkstands, and every kind of writing-table requisite in wood and bronzes; and Engel and Sons sent bindings of all descriptions.

Under the heading of "General Application of the Arts of Drawing and Modelling" were specimens of painting on watches, sent by Robert and Co.; models for drawing and painting by Rocher, Prost and Co.; N. Neill sent specimens of steel engraving, note paper with engraved crest, &c. J. Audouin had photographic apparatus; and P. Petit exhibited a lino-graph, in colours, for which he had received a prize. He also had a good carbon photograph and different modes of photographic colouring on wood and on "toile."

MUSICAL INSTRUMENTS.

Immediately adjoining the display of silversmiths' work were exhibits of some of the best-known French manufacturers of pianos. There were twenty-one firms represented, including celebrated manufactures like Erard, Pleyel, Herz, Bord, and Aucher Frères. On the Erard stand was a concert extra-grand pianoforte, of eight octaves, and two grand obliques of seven and a-quarter octaves. A seven octave oblique piano was in the Louis XIV. style, richly inlaid, with marble columns and bronze ornaments. The Bord and Aucher Frères pianos were, for the most part, in upright walnut cases. Debain and Co., Alexandre Père et Fils, M. Estève, and Gavioli and Co. were exhibitors of organs and harmoniums. Various kinds of bronze, wood, and stringed musical instruments, together with fittings and accessories for makers, were dis-

played by Lecomte and Co. Messrs. Henri Canut, Mariz-Iser and Co., successors of M. Philippe Henri Herz, had a fine collection of pianos. The firm was established in Paris in 1863 by M. Herz. Amongst the exhibits sent to Melbourne were two concert grands. There was a unique grand piano of slightly smaller dimensions, but of the same compass as the former. There were two instruments differing from any of the others in the shape of the fall which closes in the manual. Their compass is eighty-eight notes, one-fourth of which are strung oblique.

Under the medical class of exhibits were bottles for infants and surgical instruments from H. Vergne and A. Vitry. Under the mathematical and philosophical instruments class there were four exhibitors of spectacles and various glasses and several collections of optical instruments. A. Lemaire sent opera and magnifying glasses. There was a large collection of maps, sent by the "Dépôt de la Guerre," at Paris, and A. O. Macarthy, of Algiers.

"ARTICLES DE PARIS."

Of these there was a very varied display at the Exhibition. First, two cases of dog collars, one of which, a pretty little harness with bells, was shown off on a stuffed greyhound, which took the first prize. They were of all kinds; some large and handsome enough for a lady's belt. Lochet, sen., and Debertrand were the exhibitors of these articles. D. J. B. Bernadac showed ornaments, such as combs, belts, bracelets, and chains, made of the material known as celluloid, a pink polished substance somewhat resembling coral. Wedeles and Co. also had a case containing celluloid ornaments chiefly. M. Gauchot sent brushes and toilet ware of every description. M. Bocquillon's case of nick-nacks was full of original pretty things, most of them being silvered or gilt. G. Amson and Sons, of Paris, had a display of leather-work articles, such as purses, card cases, pocket-books, and travelling bags. M. Grunbaum took the first prize for his assortment of velvet jewel cases, cork glove boxes, and others covered with snake skin. A large show-case stood in the centre of one compartment of the French Court, containing a selection belonging to Arlès-Dufour and Co., to which was awarded the first prize. F. Bapterosses had an assortment of buttons and pearls manufactured from porcelain. Dunelleroy sent a variety of fans, mostly painted, and having elaborate mother-of-pearl and gilt mountings. Amongst other fan exhibits, Buissot and Son had graceful, lightly painted ones, with mother-of-pearl handles. Another was made of cock's feathers, beautifully arranged; but the palm was carried off by E. Kees. M. Kees had one fan especially painted for the Melbourne Exhibition, upon which the different places *en route* from Paris to Melbourne were illustrated.

E. Brochard sent handsome dressing-cases and work-boxes of leather. His exhibit was awarded first prize. W. Krebs had a case of meerschaum pipes, cigar and cigarette holders, with amber mouthpieces. E. Prunier's mother-of-pearl pictures were very effective, the different shades and colours being skilfully used. Arlès-Dufour and Co. exhibited elegantly trimmed and lined basketware. Barbier Son, from Paris, had a large case of balls and billiard cues, knife handles, paper knives, chessmen, and goblets of different sizes. Boubems was the exhibitor of mechanical singing birds, amongst which, one which was perched on a branch in a little landscape under a clock, sang to perfection. Others in cages also had sweet notes; whilst two were prettily set in the midst of the plants of a jardinière. W. Walcker sent inventions of his own, consisting of light tents, portable chairs, and other travelling apparatus.

A. Gossard's enamels were good imitations of the old Limoges. There were tiny bonbonnières, and the whole was handsomely mounted in brass. Soyer's case was awarded first prize, and contained enamels of every description. A. Foruet showed enamelling on bracelets, necklaces, &c.; a silver gilt and enamelled bonbonnière. Millet had choice protograph frames and other articles in perforated and *repoussé* work. There were good chromos and oleographs in this court, and a large collection of cheap oil paintings. The *Monde Illustré* also sent specimens of their illustrations. Some photographs on glass and mica were interesting reproductions of Cot's "Spring," Claude's "Princes' Gate," Hamon's "Morning," Gérôme's "Phryne," &c. Caillault and Sevasseur had a prettily-arranged case of cracker holders, bonbon boxes, and other confectioners' ornaments. A. Lejeune had a case of indiarubber tobacco-pouches and balls, &c. M. Huet exhibited polished steel, made at the Coze manufactory, where 250 workmen are employed. The machinery is worked by double power, steam and hydraulic.

CHEAP AND FANCY FURNITURE.

There was only one suite of drawingroom furniture, exhibited by Schmitt and Piollet. Garceau had cast-iron chairs and tables. Damon, Namur and Co.'s exhibits of hangings and coverings for furniture were very artistic.

CRYSTAL, GLASS, AND STAINED GLASS.

The "Société des Glaces de St. Gobain" sent several mirrors, the glass, as well as the gilding and carving of the frames, being of first quality. One of these was the largest mirror

ever exhibited in Melbourne. The Paris "Society of Tempered Glass and Crystal" had some exhibits of "unbreakable" glass, the process for which was discovered by M. de la Bastie, after many experiments. Landier and Houdaille sent a great variety of the Sèvres crystal, amongst which was a crystal basket, flower vases, and other decorated fancy glassware. Lissaute and Cosson exhibited coloured and ornamented ware for vases, lamps, and nick-nacks. Bernard occupied a table with blown glass shades, which, though simple in appearance, require great skill in blowing, as well as purity of the glass. S. Brot exhibited a variety of tripartite mirrors, some which were of a Japanese pattern.

POTTERY.

Foremost under this head must be mentioned the collective exhibits of the manufactures of porcelain sent by the Limoges Chamber of Commerce, under the charge of M. Presse. Plain white porcelain is greatly appreciated in France, and one dinner service was expressly made for the Melbourne Exhibition of pure white hard-baked china, all cut out by hand, and was sold for two hundred guineas. The "Ecoles Municipales des Beaux Arts Appliqués à l'Industrie de la Ville de la Limoges" displayed enamels, cups, dishes, &c. M. Mounier, of Foëcy, had a variety of fire-proof porcelain. Birgkann, Paris, had both Sèvres and imitation Sèvres china, consisting of brackets, stands, and vases. D. Boussard's porcelain flowers were greatly admired. Huart Brothers exhibited enamel ware and crackled china, and M. Houry had a stand of artistic pottery.

CARPETS, TAPESTRY, AND OTHER STUFFS FOR FURNITURE.

The premier exhibitor of Aubusson tapestry was the firm of Braquenie and Co. They sent some picturesque landscapes in tapestry for curtains, as well as carpets and wall tapestry of good designs, and pictorial scenes of every kind. Messrs. Saurel Bros., of Nismes, showed a good sample of tapestry, worked by the Jacquard loom. It is a piece *à la* Gobelins, representing the entry of Joan of Arc and Charles VII. into Rheims in 1489. Their rich silks *de la Lampeze* are composed of silk and wool, with a slight mixture of cotton; they were imitations of the embroidered productions of Persia and India. The flower patterns of J. Dupont and Herve were brilliant. In Messrs. Duplan and Hamot's collection there were large carpets, one a beautiful country scene with water, trees, and deer, &c. Sallandrouze Bros. had Aubusson seamless carpets.

L. Berchoud exhibited Belleville tapestry and Velour-Savonnerie fabrics, the latter consisting of the incorporation on any kind of texture of ornaments in velvet. M. Tresca had samples of furniture coverings made with the Jacquard loom, mostly in imitation of antique and Turkish fabrics. There was a collection of furniture tapestry from Messrs. Vannoutryve and Co., of Roubaix. L. and A. Emery had a large and attractive show-case, comprising two samples of tapestry, one with a ground of old gold.

CUTLERY.

There were only two exhibitors under this heading—D. Batisse, of Thiers, and Piault, from Paris.

PAPERHANGINGS.

M. Follet showed panels, in one of which ribbons were plaited in the frame under beading. The wall-papers from Messrs. Gillou and Sons were handsome, one having a basket of flowers as a centre-piece. Leroy and Sons print all their paperhangings by machinery. The patterns exhibited showed harmony of colouring.

GOLDSMITHS' AND SILVERSMITHS' WORK.

There were four firms at the Melbourne Exhibition, all of which showed the beauty and excellence of French silversmiths' work.

The Alfenide Société des Couverts had a show-case of the larger kind of plated goods. Boulenger and Borgest exhibited plated ware and Algerian goldsmiths' work; the former was awarded first prize. The firm of Christoffe and Co. had the largest and most generally attractive show-case. Before 1842, this firm had earned a great reputation for their solid silver goods; but when electro-plating was introduced they turned their attention to that branch of the trade, and, having discovered the nickel alloy, they now occupy the leading position in the world as manufacturers of electro-plated ware. The exhibit contained specimens of the nickel ore, wires of pure melted nickel, samples of goods before being plated, twenty-five different patterns of table knives and spoons, and every kind of coffee and tea service. One liqueur set was ornamented with mesteria and iris on burnished salver and cups. The "Trésor d'Hildesheim" was bought by the trustees of the Public Library, and comprised fifteen pieces—copies of ancient Roman treasure 2000 years old, the originals of which are in Berlin. One of these was a large copper vase, gilded. They were all richly carved.

BRONZES AND VARIOUS ART CASTINGS.

A collection of cast-iron statuettes and vases, so treated as perfectly to resemble bronze, were placed between the Nicholson-street gate and the eastern portico of the main building. The fountain which stood in the centre came from the workshops of M. Durenne, and a group nearer the gates, consisting of a huntsman and two dogs, was exhibited by the Val d'Osne Company. The prices of these ornaments were very low. Messrs. Blot and Drouard, of Paris, sent a collection of imitation bronzes in zinc, for the interior decoration of houses. One was a pair of seagulls with extended wings, beautifully chiselled, and poised on a vane. Zinc has become of universal use in making casts of statues, &c., as it is far cheaper than bronze. The zincs d'art can now be made to imitate bronze, gold, silver, and platinum. A collective exhibit of Paris manufacturers of works of art in zinc were also sent out by M. Ranvier, and contained amongst other things imitation terra-cotta and china ware. J. Rolez, Robin Brothers, Hubault and Breuillard, Avoiron and Clement, and H. Barbedienne also sent interesting exhibits of the zincs d'art.

CLOCKS AND WATCHES.

There were over fifty different firms representing that important branch of French industry. The earliest clock of which there is a complete description was made in France in 1379. At the present time France exports yearly from 25,000 to 30,000 clocks, many of which are sent to England. Messrs. E. Gay, Lamaille and Co. sent the most important exhibit in this line. They acted as agents for the majority of the French exhibitors. Their own collection consisted mostly of black marble clocks. The interior works are, as a rule, supplied to the trade by Messrs. Japy and Co., a very old French firm, who also sent some cheap watches of their own manufacture, at prices ranging from 7s. 6d. Cheap clocks were likewise sent from manufacturers in the village of St. Nicholas. Amongst these were alarum clocks, of which the price was only 7s. Quinet and Richard, of Paris, sent an assortment of carriage clocks; and Diette, Son and Hour cheap carriage, and fancy and novel clocks. Messrs. Redier and Co. sent samples of twin *jumelle* clocks, comprising a clock on one side balanced by a barometer on the other. There were also pocket barometers, stop watches, pocket compasses with a weathercock attached, pocket sun-dials, and various instruments invented by Mr. Redier. Mr. Paul Brocot, who manufactures specially for the English and American markets, sent some complicated clocks, giving the time of day, the mean time at noon, the day of the week, the month, the year, and the moon's quarters, and making allowance for the additional day in February in leap years. The watch and clock manufacturers of Besançon had several representatives at the Melbourne Exhibition. They turn out annually about 1,500,000 unfinished watch works, and 500,000 clock works.

APPARATUS FOR HEATING AND LIGHTING.

There were only three exhibitors under this heading—Delafollie, Bastide, Castoul and Co., who sent gaslights, lustres, and lamps; C. Martin, who exhibited gas kitchen stoves and calorifers, and Viellard and Co., who had various heating apparatus for gas.

PERFUMERY.

The Maison Lyonnet sent different soaps and perfumes for the toilet. Mdme. Carcano had perfumed satchets. One case was filled with Caudes and Co.'s Lait Antéphélique. Maison Raynaud, Cottance, and Guerlain, of Paris, sent different perfumes; whilst Viard had Eau-de-Ninon and V. Viard toilet vinegar.

WHITE FABRICS.

Messrs. Meunier and Co., one of the largest Maisons de Blanc in Paris, sent three curtains to the Exhibition, of which two were in imitation of old Venetian patterns in hand-made lace, and the third was in embroidered tulle, machine made. They also had damasked table linen, including a tablecloth 16 ft. x 10 ft., with a light green ground. Messrs. Magnier, Brunet, Duplay and Co. had a show of bed and table linen; and C. Bahey exhibited imitations of guipure lace curtains. H. Cazin sent a great variety of imitation laces, from Alençon to the old Venetian point. Sarazin, Montford and Co. were also exhibitors of imitation laces. E. and E. Dieutegard had three show-cases of tasteful passementerie, cords and tassels, and fringes.

Troyes is now the head-quarters in France for hosiery, but very few exhibits were sent from there. The most noticeable was from P. Raguet and Co. The L.V. brand of French cottons and threads was shown by Cartiër-Bresson and L. Flamant. Messrs. Chardin and Co. had a pyramid of sewing silks, of all colours. A show-case of fancy trimmings, sent by L. Langlors, was well arranged. L. Pascal, Sons and Bros. had a case of woven elastics for boots and garters.

Loncle and Lamoitier sent shawls and opera cloaks, and E. Brochot had a case containing gauze and all sorts of fancy articles for millinery. Shapes and trimmings for hats and bonnets

were shown by Agnellet Bros.; and a collection of felt and ladies' hats, of all descriptions, belonged to B. Herzberg and Co.

WOOLLEN GOODS.

France had a very good display in the woollen department; and it was the more interesting to Australians from the fact that most of the goods were made of Australian wool. In 1879 France took more than a third of the whole quantity of wool exported from the Australian colonies. The largest exhibitor in Melbourne was the Chamber of Commerce of Rheims, which is now the chief seat of the woollen manufacture in France, more especially of the heavier kind used for men's clothing. The finer kinds of woollen fabrics, the merinos and cashmeres for ladies' dresses, are principally manufactured at Roubaix. The Chamber of Commerce of Rheims consumes no less than six millions and a-half pounds of wool annually, more than a third of which is grown in Australia. The class of woollens exhibited by the Rheims Chamber of Commerce consisted chiefly of materials for ladies' dresses. There were over two hundred samples, dazzling and beautiful in the artistic arrangement of their innumerable tints of colour. They also had a show-case containing soft fabrics for ladies' cloaks and mantles, and another containing samples of cloths for gentlemen's clothing. A number of private firms were well represented, such as Messrs. Stavaux, Bonnaire and Son, the Sons of T. Legrand, and H. Sieber, Seydoux and Co. Pinon and Guérin exhibited a variety of tweeds and coatings, of a quiet, subdued style and colour, suitable for Australian wear.

But the choicest collection of tweeds and superfine cloths was that sent by the Chamber of Commerce of Elbœuf, which was contained in two large show-cases. Nothing could surpass the delicacy and brilliancy and harmonious blending of colours of these very choice specimens. Some splendid grey mixtures for coats and paletôts, as well as samples of superfine broadcloths and stout doeskins, naps, and petershams, were also shown.

SILK.

Silk is the great staple industry of France, the value of her manufactures being estimated at one thousand million francs annually. Lyons is the chief centre of the industry, and there silken fabrics are yearly made valued at four hundred millions of francs, the greater portion of which are bought for the English market. That the French rely on the trade with England may be inferred from the English language being made an obligatory study under the course of instruction given by the Chamber of Commerce. Messrs. Arlès-Dufour and Co., one of the oldest firms in Lyons, had a collection including silkworms' eggs, cocoons, and samples of the different processes before the silk is ready for weaving. Almost all the large firms have one or more artists constantly engaged in creating new designs. There was a collective exhibit of the Chamber of Commerce, sent by E. Charbin, comprising some plain velvets, poplins, and fancy silks. Amongst the latter was an ivory silk, brocaded with palm leaves. It was unique and elegant. Messrs. L. and A. Emery had one of the most attractive show-cases of silks. It included two beautiful samples of tapestry, one of which had a rich old-gold grounding. They also had furniture covers and curtains. Messrs. Bonnet and Co. showed some specialties in black silks and satins, known as *cachemire de soie*. Messrs. L. Permezel and Co., one of the largest firms in Lyons, principally make cheap silks, and amongst their exhibits were silks for umbrellas, brocatelles, pompadour silks, coloured satins, and also raw silk. Messrs. Broset-Heckel and Co. exhibited different satins, in all the newest shades of colour. M. Ringard Vanel sent silks for church vestments, very beautifully designed. Mr. A. Baboin's collection of tulles was very pretty; and Messrs. Ogier, Noyer and Co. sent printed silks, including a few well-designed pictures. Messrs. A. Guinet and Co. exhibited a novelty called marcelline, being a new waterproof cloth used for cloaks and coats, about four ounces each, and could be carried in an ordinary coat pocket. Messrs. Guinet also had silks embossed with velvet, and *cachemire de France* of different qualities, manufactured expressly for the Australian market.

CLOTHING, FLOWERS, ETC.

There were many exhibits of boots and shoes in the French Court. Agnellet Bros. had an assortment of hats and trimmings; and Revillon Bros. exhibited furs and carriage rugs, fur-trimmed seal-skin mantles, and circulars in cashmere. The manufacture of flowers and feathers is essentially a French industry. A union of thirty firms belonging to the *Chambre Syndicale des fleurs, plumes et modes de Paris*, sent a collection. There was a cushion made entirely of flowers, such as lilacs, roses, lilies of the valley, maiden-hair, and forget-me-nots. There were also wreaths of violets, and a large bouquet of roses, many of them seeming to be about to wither. This imitation of decay is one of the latest fancies of the Parisians. There was a good display of feathers, made up in a great variety of styles. Dupont, Delafosse and Co. had a large exhibit of flowers for house decoration. There were sprays of laburnums, westeria, and lilacs; bunches of cherry-blossoms and cherries, wallflowers, and lilies of the valley. One basket was full of lilacs and lilies of the valley. M. Delivré showed, amongst other things, a large bouquet of roses, in imitation of decay.

JEWELLERY.

There was a good deal of fancy jewellery in the French Court, most of it being imitation gold and precious stones. Pinsard-Martin had some pretty chains, bracelets, photo. stands, and mourning jewellery. L. Nérand exhibited handsome nickel chatelaines, and Moulinet Souchet sent enamelled jewellery. Some gold ornaments were shown by Arlès-Dufour and Cie. L. and H. Ruteau Bros. had imitation pearl jewellery, amongst which were some handsome single large pearls. E. Thomas had nicely enamelled lockets, oxydised belt clasps, and every design possible for breast-pins.

TOYS.

The exhibit of French toys was interesting and complete. There were swimming and floating dolls from E. Martin. G. Vichy had an exhibit of mechanical musical toys, which were very cleverly made. Amongst others was a young lady in ball costume, about a foot in height. Some music was first of all set going inside her, and then the eyes moved, the figure bowed and turned about, using an eye-glass with one hand and fanning herself with the other. Bru, jun., had a charming collection of dolls, with perfect baby faces and beautiful heads of hair.

RAW AND MANUFACTURED PRODUCTS.

The whole of a large section was taken up by exhibits of chemicals and pharmaceutical products, including a large number of patent medicines. Under the care of the *Chambre Syndicale des Fabricants de Produits Pharmaceutiques* about fifteen of the most important Parisian manufacturers have prepared special exhibits. There were one or two large cases containing handsome leather exhibits. Nine different houses sent exhibits of calf-kids. French calf was well represented.

MACHINERY, ETC.

There were some confectionery machines in constant work, and counters where French bonbons could be purchased as they were turned out.

J. F. Durenne exhibited a portable engine, having an upright boiler, with a conical funnel. It was supported on three wrought-iron wheels. The cylinder was vertical, and placed near the ground, the crank shaft being about level with the top of the boiler. A second shaft, with pulleys, was attached to the frame near the ground. Boivin and Co. showed electric bells, fire alarms, and rifle targets. The electric alarm consisted of a thermometer containing a platinum wire immersed in mercury. In case of fire, the mercury rises, and forces the platinum wire against an electro-magnet, which causes a bell fixed at the other end of the apparatus to ring continuously. F. X. Parfonry had a collection of fancy and plain marble mantelpieces, &c. Amongst his exhibits were some beautifully veined and carved marbles, including a mantelpiece valued at £180. The exhibit amongst the machinery that created the greatest interest was a loom for weaving silk. There were several exhibitors of carriages. Amongst others were a patent brougham sent by Desouches, of Paris, and a phaeton from C. Jeanteaud, of Paris.

ALIMENTARY PRODUCTS.

Marquet Bros., of Morbihan, sent a case of sardines in oil. Lombart (late Mennier), C. Choquart, and A. Biardot had show-cases of chocolate, and Quinette and Co. sent preserved and crystallised fruits. There were numerous exhibitors of wines and spirits.

MINING AND METALLURGY.

Gallais, of Paris, had a very handsome exhibit of gilded and nickelled nails for furniture, arranged in an ornamental pattern.

Nickel, with its alloys, was shown by Christofle and Co., and the Société Anonyme "Le Nickel," of Paris, sent nickel crystals and pure nickel ores.

ALGERIA.

Education in Algeria was represented in the French Court by modellings in clay from a State primary school. These models, done by Algerian boys, were mainly adaptations of the vine leaf, very creditably done. Algeria also showed samples of wheat, maize, vermicelli, and millet. Preserved dates were sent from the Agricultural Society of Médéah. The other Algerian exhibits were wines and liquors.

NEW CALEDONIA.

New Caledonia was very poorly represented at the Melbourne Exhibition. Though rich in nickel, gold, antimony, cobalt, iron, and coal, there were very few specimens beyond nickel, antimony, and copper ores. Two exhibits of shells were sent, and one of coffee. There were also many interesting photographic views of the island, and several maps and books.

THE GERMAN COURT.

The arrangement of the German Court at the Melbourne Exhibition was very complete in its unity of design, and reflected the greatest credit on Professor Reuleaux, the executive commissioner from Berlin. Germany was allotted 60,000 square feet of space, and five different sections of the building were reserved for her exhibits, independently of the fine arts gallery. Immediately on entering the building, the eye was attracted to the right of the eastern nave by a splendid exhibit of china, on stands rising to a height of 15 feet. Meissen china has rarely been exhibited before, and it is probably due to the admiration excited by the collection sent to the Belgium Exhibition that the one at Melbourne was favoured by so good a show. The general design in the ornamentation of the Meissen ware was the flower, geometrical, and scroll pattern; the tints employed being pale blue, rose colour, and gold.

There were specimens of manufacture from the earliest date. The "onion" pattern, that has been used for plates for more than one hundred years, still finds favour. Three varieties were shown. The first was a dark blue on a white ground, leaves, fruit, and seed being introduced; the second had the veins of the leaves gilt; and the third was in red and gold. A set of dessert plates was exhibited like one used by the Emperor; the centres had beautifully finished paintings, copies of original works of art. Round the pictures the groundwork was of the rich blue, which is one of the triumphs of Meissen; the borders were perforated, and decorated in squares of forget-me-nots and gold stars alternately. Another set had flowers painted on a deep grey tint. Others had the paintings in sepia, after Angelica Kauffman. Again, another had paintings after different celebrated pictures, such as Gerard Dow's "Hawk" and "Hermit," and "A Lady with a Parrot," after Netscher, one or two of which were especially beautiful. The two large Meissen vases in the fine arts gallery were mentioned in that particular section. There were others, such as the following series of four, illustrating the elements—"Fire," with Vulcan directing the flames; "Water," with inhabitants of the sea; "Earth," with flowers, dogs, &c.; and "Air," with birds flying upon clouds of blue. Some rococo models, with flowers and birds standing out in high relief, every petal perfectly natural in its folds and grace, were very beautiful. There was a stand of beautifully painted Dresden china, from Helene Wolfsohn. Amongst these exhibits were vases, with flowers, or admirable copies of Hogarth's pictures. Cups *à la* Watteau, lovely *tête-à-tête* tea services, and dessert plates were shown. Dinner sets and jewel caskets were amongst the exhibits. Messrs. Villeroy and Boch, of Mettlach, had a splendid show of porcelain, wedgewood, and terra-cotta ware, which was set off by marble statuettes of the Emperor of Germany and the Crown Prince. They are one of the largest firms of the kind in Germany. Merkelbach and Wick showed one hundred fancy ornamented Wedgwood vessels. Uechtritz and Faist had a large show-stand of majolica ware, including dinner sets, cheese-stands, and handsome jugs and fancy articles. Lorenz Hutschenreuther, of Bavaria, made a capital display of hard china-ware; the dinner, breakfast, and tea sets were many of them exquisite in design. M. Hutschenreuther exhibited a large tureen, decorated in fine Grecian style—a maroon ground, with green and pink ornamentation, richly gilded. Tielsch and Co., of Altwasser, showed some beautiful porcelain ware. One of the dinner services consisted of one hundred and eighty pieces, and had little bouquets of field flowers painted on a rich lilac ground, with painted black and gold ornaments. The same firm had a good display of toilet ware. Messrs. Triebner, Ens and Eckert had a collection of china fancy ornaments and religious figures, vases, and mirror frames in porcelain. Fischer, Naumann and Co. had a fine display of terralith and terra-cotta figures and fancy articles. L. and P. Kieffer Bros. had some porous water-coolers; and H. Schomburg and Sons had a variety of porcelain vessels for chemical purposes. The Stolberg Glass Works furnished two large stands of table glass. Amongst the exhibit were engraved glasses, with polished facets and lustrous surface. C. H. Kraemer, of Bielefeld, sent choicely designed plain and coloured window glasses, muslin glasses, and artificial roses.

Immediately to the back of the glassware was a section devoted to mathematical and optical instruments. The highest proficiency was shown in the manufacture of these articles. A group of show-cases contained a collective exhibit of mathematical and philosophical instruments, made by Berlin mechanics. These embraced prisms, sextants, theodolites, graphometers, compasses, &c. The finish of these articles was superb. Of spectacles, notwithstanding their general use in Germany, the display was not large. P. Dörffel, Picht Brothers and Co., and S. Elster were the principal exhibitors. F. W. Breithaupt and Son, of Kassel, exhibited a universal instrument for astronomical observations and measuring angles for principal triangulations. The circles had a diameter of thirty centimetres, and could be read by means of two micrometer microscopes, which read to seconds. The construction was arranged to give a perfect equilibrium to the instrument. There were eight individual exhibitors from Munich, Kassel, Magdeburg, Kempten, and Chemnitz. They showed mathematical instruments and models for technical instruction, tachometers, scioptrons, polar planimeter, and ellipsograph.

Adjoining this was the billiard saloon, containing three tables from J. Neuhusen's billiard factory. The first was a full-sized reversible table, having pockets on one side and a plain

board for the cannon game on the other. Another one had pockets which could be closed at will, so that the cannon game could be played on it if desired. It could also be used as a dining-table, being capable of extension for that purpose to three times its ordinary length. L. Schultze, of Berlin, showed a large stationary table with pockets, rests for cues, cues, and marking-board. The billiard-room led into a space set apart for mechanical organs and musical instruments, beside a handsome display of bronze ware. There were accordions, concertinas, violins, guitars, zithers, mechanical pianos, barrel organs, and orchestrions. The last-named are principally at Vöhrenback, in the Schwarzwald, where whole families have devoted their ingenuity for generations to the perfecting of their capacity for musical expression. The firm of Imhof and Mukle, famous exhibitors in that line, sent a large orchestrion and a mechanical piano. The orchestrion is a fine instrument, showing behind glass sides and doors a glittering array of organ-pipes, both wood and metal, drums, cymbals, triangles, &c.; the barrel, with its pegs and stops of different lengths, by whose revolutions the valves of the organ-pipes are acted on; and the train of well polished clock-work machinery, which works the bellows and gives motion to the whole. The barrels may be easily changed; the price of the instrument depending on the number of tunes required. The tones produced are bright and powerful, and musical passages of great brilliancy may be faithfully reproduced. F. X. Heine also exhibited an orchestrion. Wolff Brothers, of Kreuznach, had a case containing the normal quartette of string instruments—six violins, two zithers, ten bows, and one guitar. J. Haslwanter, of Munich, and G. Tiefenbrunner each sent three zithers. A. Terletzki sent two pairs of harmonia altar bells, used in Roman Catholic services. E. Hess, and Strathmann and Joachim, had accordions and concertinas in this section.

The bronzes and art castings occupied a prominent position amongst the musical instruments before mentioned, and several exhibits were arranged upstairs in the Imperial tent. Messrs. Koch and Bein, of Berlin, showed two bronze figures, nearly life-size, and full of spirit. They also had vases, figures, enamelled iron shields, arms, &c. There was a bronze figure of the German Emperor capitally executed, and several groups. A. Meves showed iron and zinc articles, statuettes, inkstands, and a set of chessmen, one side silver and the other gilt. A. Waagen and Co. exhibited elegant candlesticks, lamps, and inkstands, in galvanised-bronze work. A. Lauter, of Carlsruhe, sent metal goods, silvered, etched, gilded; and zinc, artistically made into photograph, mirror, and picture frames.

The company for the manufacture of bronze and cast-zinc goods in Berlin sent an attractive display of different fancy articles in zinc, iron, brass, and bronze.

Beyond the room mentioned above was a large one entirely devoted to clocks, for which the Germans were always famous. In the centre was a large day clock, striking the hours and quarters, by F. A. Beyes, of Hildesheim. The works were visible through the glass case. Hettich Gordian, of Furtwangen, exhibited cuckoo and singing-bird clocks. When the hour struck, a little door flew open and a bird emerged and warbled a pretty air. E. Wehrle and Co. showed flute and trumpet clocks. The last of these was very good. When the hour struck, two doors flew open, and a soldier came out and blew a bugle call, and then retired again out of sight. Another clock opened, and a peasant came out, played a few bars on a flute, and then disappeared. G. Becker, of Frieberg, had some alarm clocks and a large thirty-day wall clock. A. Purpe, of Dresden, sent an antique time-piece, ornamented with mother-of-pearl enamelling. A. Fehrenbach had calendar regulator watches. There was a great variety of small clocks with metal faces. A. Lange and Sons contributed gold and silver pocket lever watches. Another room communicating with the clock room was given up to perfumery and soaps. J. M. and F. M. Farina, of Cologne, had several pyramids made of flasks of eau-de-Cologne. Junger and Gebhardt, of Berlin, made a good display of essences and scented waters. W. Rieger had a handsome show-case of soaps, scents, &c. M. C. Martin sent eau-de-Cologne and the famed "Carmeliter-Geist," made by the Carmelite monks, and so beneficial in cases of acute pains or spasms. L. Leichner had a good collection of theatrical perfumery, amongst which was the so-called Leichner's fat powder. In this section of the German department at the Melbourne Exhibition were to be found some beautiful wood carvings, from Ober-Ammergau, celebrated for its "Passion Play," and situated in the Bavarian Tyrol.

THE IMPERIAL TENT.

This structure was the most imposing object in the Exhibition, and was erected in the gallery over the portico of the north transept facing the dome. Heyden and Kyllmann, the leading architects of Berlin, furnished the designs, the draperies being designed by Herr Fischer, court decorator, and the ornaments of the pillars by Herr Kastner. The tent, which was about forty feet high, was enclosed by a balustrade, and the floor was thirty feet square, and handsomely carpeted. This tent was subsequently purchased by the Victorian Government, and remains in the Exhibition. The canopy was supported by twelve gonfalons, covered with crimson velvet, surmounted by eagles. The gilded exterior showed at each side a shield, bearing the arms of the four kingdoms of Prussia, Wurtemberg, Saxony, and Bavaria. The whole was surmounted by the Imperial crown, borne on a velvet cushion, sustained by an eagle with outspread wings. There were heavy hangings of orange and pale blue, the

inside of the canopy being light blue. At the back was a large gilt bust of the Emperor. This magnificent pavilion, valued at £2500, was destined for the exhibition of jewellery and plate. Hanging up on the walls of this section were splendid Smyrna and Brussels seamless carpets, made expressly for the Exhibition. Behind the Imperial tent was a fine display of bronzes. S. Elster, of Berlin, sent some chandeliers, as well as other fine specimens of bronzes, with enamel painting, photo. frames, &c. Count Stolberg Wernigerode's factory was represented by ninety-six cast articles of antique, Roman, Gothic, Moorish, and renaissance styles.

The display of jewellery was most magnificent, and, being valued at £60,000, was well protected by the constant presence of attendants. The Joint Hanau exhibition blazed with brilliants and other precious stones, and the value of this case alone was £15,000. G. A. Korff sent some very handsome and original chains. Geissel and Hartung had a splendid pearl and cameo coronet; also a sapphire and diamond set. Hertel and Son showed beautiful amethysts cut into cameos. A. Voltz-Bier contributed brooches, pendants, lockets, and bracelets, inlaid with diamonds and emeralds. C. Bissinger and Sons showed a magnificent diamond coronet, and elegant butterfly brooches in pearls, diamonds, sapphires, and rubies. There was a pendant of a spray, with a bird in diamonds upon it; a turquoise necklace, with pendant and earrings; a cross of brilliants, and a bracelet, with a diamond, a ruby, and an emerald of immense size. The Hanau exhibit attracted great attention, as representing some of the finest jewellery in Germany. The Pforzheim exhibit had twenty-eight participants. A. Kiehnle showed a splendid cameo set; the cameos were very large. Rossle and Haussmann had gold chains, P. Suedes exhibited silver ornaments with enamelling, and Bissinger and Co. showed some fine enamelled pendants, with a very large opal ring set in diamonds. Benz Brothers had some beautiful pendants, with birds and butterflies in lapis lazuli. F. Lutz had a collection of rings, with cat's-eyes, black coral, pearl, and turquoise.

H. F. Winkelmann, of Berlin, exhibited some handsome electro-plate ware; amongst other things, a beautiful pair of lamps. The fruit dishes were very elegant, and the ice buckets were beautifully chased.

A. Ritter and Co., of Esslington, exhibited table sets in German silver, and Henniger and Co. had sets for the table in galvanised, silvered, and gilded metal. Goliasch and Co., of Berlin, had a fine display of alfenide and nickelled goods. The collection included a handsome album, the original of which was made for Prince Charles of Prussia; there were also vases and statuettes. Sy and Wagner, of Berlin, exhibited a pearl necklace, with diamond and sapphire links; a pendant of brilliants, black pearls, and sapphires; a necklace of brilliants, sapphires, and pearls; and a pendant with opals, brilliants, and black pearls. C. Schlesinger showed swans encrusted with brilliants. Wilkens and Danger had lockets, pendants, and bracelets, with diamonds and emeralds. M. H. Wilkens and Sons showed real silver dessert, table, and fish sets, a tea service, candelabra, &c. Czarnikon and Busch had very pretty fancy articles in bronze, zinc, &c., such as photo. frames and épergnes. J. Lichtinger and Co., of Munich, showed tinware, many of the things being beautifully chiselled. C. Kramme, of Berlin, contributed seventeen bronze lamps. From the centre of the Imperial tent hung a magnificent bronze chandelier, having forty-two gas jets in the form of wax candles. H. Meyen and Co., of Berlin, furnished a case with statuettes and presentation articles of plate. Wilkens and Sons had a magnificent plate chest, and Pausch and Pohl sent a beautiful chased tea service, table sets, and knives and forks.

GERMAN MUSIC SALOON.

Turning down the central avenue, and passing the British and French Courts, the visitor came upon a beautifully fitted oval music-room. Along the centre was a stand of plaster casts of ancient statuary. At the western end stood the statue of Polhymnia, the original of which is in Berlin. An estrade ran along the western end, which was reserved for grand pianos, the other pianos and harmoniums being arranged on platforms along the two sides of the saloon. Amongst the grand pianos were two from the factory of Julius Blüthner, of Leipzig. The large concert grand had in its upper register a fourth string tuned in accordance with the "trichord" which was struck by the hammer beneath, but suspended above, and not in contact with the ordinary sounding wires. The effect of this was to give a sympathetic echo of the sounding wires to which it was related, and to increase thereby the singing quality of that part of the register to which it was applied. Another most beautiful instrument came from the same maker—beautiful as a work of art and as a fine musical instrument. F. Schilling, of Stuttgart, had a very good cross-strung, upright piano, which was exhibited with Blüthner's. E. Kaps, the famous maker of Dresden, was represented by an instrument described as a patent grand, in old German style. The peculiarity of this instrument was the "resonator." It consisted principally of a "sound-box" screwed on to the sound-board, and affecting the tones from the first A in the treble clef upwards. This sound-box is fitted between the bridge and the line of the dampers. The strings in this part of the piano were suspended for two-thirds of their length over the sound-box, and underneath the mid-length of the strings was a sound-hole. The sets of strings did not lie free over the sound-box for their whole length, but each length was conducted through a sound-passage made fast to it, which reached from the bridge

to the before-mentioned sound-hole. There were sounding air passages by which the tone acquired a flute-like quality. Rönisch, Schwechten, Schmidt, A. Dassel, and Gerstenberger were each represented by fine instruments. Schiedmayer and Son, of Stuttgart, sent a beautiful *mignon* and a cottage model. Edouard Westermayer, of Berlin, showed two pianos of excellent quality. A new firm, H. Grotrian, had an instrument admirable both in touch and tone. Ibach, of Barmen, showed two pianos of good quality. J. P. Lindner and Son, of Stralsund, showed a cross-strung, trichord, upright piano. The peculiarity of this instrument was its skeleton iron frame, for which many advantages are claimed by the inventors. There were many other exhibitors of good instruments, amongst whom may be mentioned Edouard Seiler, of Liegnitz; Trau Brothers, of Heidelberg; L. Römhildt, of Weimar; Holling and Spangenberg, of Leitz; L. Neufeld, of Berlin; C. J. Quandt, of Berlin; H. D. Schake, of Hanover; G. and E. Kanhäuser, of Stuttgart; W. Biese, of Berlin; T. Gerhardt, of Berlin; and J. G. Irmeler, of Leipzig. Exactly behind the German music-room was an exhibit of toys from Sonneberg, sent by thirteen exhibitors. There were great numbers of wax dolls' heads, of every variety of expression. There were playthings of every kind in porcelain, glass, wood, metal, and hardware; and many masks and amusing mechanical toys. On a pedestal, in the centre, was a large figure of Santa Claus himself.

FURNITURE COURTS.

In order to show off the German exhibits of furniture, a number of small apartments were fitted up. Roberts, Kelterborn and Co., of Berlin, are the largest manufacturers in Germany of their particular branch of the furniture trade, and employ over 480 men. They exhibited a dining-room suite richly carved in oak, of Gothic style. The suite comprised a dining table for twenty-four persons, one buffet, and sofa and chairs. The articles were of very superior workmanship. Karl Praechtel, of Berlin, has two large factories, employing upwards of 700 men. He sent a smoking-room suite, richly carved in walnut. The sofa was decorated with majolica plates, showing decorations in ancient style. F. Lund, of Bremen, exhibited a chiffonnière and flower-stand, in ebony.

J. C. Pfaff, of Berlin, contributed dining-room and drawing-room furniture. The dining-room suite was covered in leather, and carved in the style of Charles V. F. Vogts and Co., of Berlin, showed some substantial exhibits. One compartment was occupied with a suite of their solid oak furniture. The firm supply carpets, paper for ceilings, and all accessories to match. The mirror frames with carved figures were very artistic.

There were several exhibits of bent-wood furniture.

Among the upholsterers' and decorators' work, F. Walter, of Kehl, showed photograph and looking-glass frames, with gold and polished heading, and gilt mouldings. G. W. Voeltzkow, jun., of Berlin, showed metal frames for photographs and mirrors, which were very neat. G. J. Ferrenholtz, of Wesseling, had mouldings and headings for frames, several of which could be cleaned by washing; and J. Dobbeltmann had a similar exhibit. F. Radspieler and Co., of Munich, had some very handsome mirrors and sconces, &c. Burger and Heinert, of Zwickau, sent a model of a stucco ceiling piece. B. Harrass, of Böhlen, sent patterns of table-cloths, and ornaments in artistic woods for the decoration of rooms. The Sinzig Mosaic Tile Works showed twelve different designs for flooring of courts and public buildings. N. Ehrenhaus, furnishers to the Empress, sent some beautiful silk stuffs for covering furniture.

TEXTILE FABRICS AND CLOTHING.

Some of the staple industries of Germany were very well represented. The Joint Elberfeld Exhibition was a magnificent exhibit. P. E. Bockmühl showed some fine woollen shawls; whilst J. Schmits and Co. and Krugmann and Haarhaus had on view a variety of beautiful patterns in stuffs for furniture covering. F. W. Wüster and Co. had an exhibit of lasting, whilst A. Frowein and Brothers had a prettily arranged show-case of ribbons and braids. There were many exhibitors of zanella and of silk and half-silk dress stuffs, and Reimann and Meyer showed some very elegant novelties in embossed silks and fancy woollens. There was also a joint Saxon exhibition of table linen. Some of the damasks had very artistic designs, and were deeply fringed. One very large tablecloth and a dozen napkins were valued at fifteen guineas. K. H. Schiffner had some tablecloths with a grey ground and flower pattern. Beside the linens were the joint Saxon exhibition of woven goods, consisting of mixed, white, and coloured woven goods and glazed linens; and the joint Saxon exhibition of stuffs for men's clothing, consisting of cotton, half-woollen, and linen stuffs. Fishing and drag-nets were sent by the Mechanical Net and Woven Goods Factory, Hزهoe. There was also a joint Saxon exhibition of Orleans. Most of the German exhibits were displayed in handsome show-cases of black and gold, which added greatly to their attractiveness. The woollens made a fine show. There was a joint exhibition of cloths from Berlin. S. B. Ruffer and Son, of Liegnitz, had some very good cloths of different colours, making a handsome and effective display. Greve and Quentin and Greve and Uhl, both of Osterode, had some woollen and half-woollen rugs. P. Reifschneider, of Berlin, showed silk, bed, and travelling rugs. The "Plauen Joint Exhibition" sent 650 loom and hand embroideries, white goods, &c. Albrecht and Bacher had every

variety of ladies' fancy collars, ruffles, and handkerchiefs. E. Stopp and Co., of Ehrenfriedersdorf, showed gold and silver trimmings. The Bielefeld joint exhibition of linens consisted principally of gentlemen's shirts. There was a very pretty collection of collars and cuffs from Wolff and Glaserfeld, of Berlin; and Philippsohn and Leschziner sent shirts, collars, and cuffs. Elkan Brothers, of Chemnitz, and H. C. Hartel, of Waldenburg, sent assortments of stockings; and the Zella Umbrella Factory had a show of umbrellas.

O. Herz and Co., of Frankfort-on-Maine, and F. Langenickel, of Gotha, exhibited boots and shoes; and A. Oppelt, of Seifhennersdorf, had a truly national collection of wooden shoes. An interesting exhibit of portable weapons, hunting and shooting equipments, were on view from the factories of N. von Dreyse, Sömmerda; C. G. Haenel, of Suhl; and Ganz and Co., of Ratibor.

The work of elementary education was poorly represented in the German Court, but there were models for mathematical, physical, and technical instruction, treatises and plans of study of schools for educating artisans, globes, crystal and plaster models, busts and flat ornaments for schools lent by the Royal Commission of Wurtemberg and the Minister of the Interior for Bavaria. On the walls of the court in the gallery hung diagrams illustrating botany and physiology, while on tables and stands were globes of excellent construction, one of them being admirably executed in relief. In the line of stationery, bookbinding and drawing materials, there were a great number of exhibits. A beautiful show-case of blackwood contained a collective exhibition of stationery from a number of firms. There are in Germany 2280 paper factories, which employ 46,310 persons. Coloured paper is made principally in Aschaffenburg, metallic papers in Munich. Dresden, Offenbach, Berlin, Leipzig, Stuttgart, Augsburg, Furth, and Nuremberg produce papers of excellent quality. The papier-maché manufacture is carried on extensively in Thuringia; but the Forbach factory, which alone produces goods in value equal to 900,000 marks annually, is especially worthy of mention. Bookbinder's and cardboard work is produced in Berlin, Dresden, Nuremberg, and Lahr, of the best kinds. Kübler and Niethammer, of Kriebstein, had a prominent exhibit of six rolls of printing paper, about the size of a small steamer's cylinder. A bust of the Emperor crowned this exhibit. Each roll was one unbroken length of paper. The middle roll, which was the largest, weighed 1493 pounds, and contained 29,167 feet of paper in an unbroken sheet. The Joint Stock Paper Mills, of Bautzen, also sent printing paper in rolls, with rolls of paper for telegraphy, copperplate and other paper.

E. Hosch and Schleicher, Hofsummer Brothers and H. A. Scholler and Sons, had different notepapers in a large show-case. The Weesenstein "Laferme" paper-mill sent cigarette and tissue paper. E. Petersen had an elaborately carved show-case containing handsome bouquet-holders and flower twisted papers. There were dish papers and cosaques, holders for the use of brides, for the theatre, balls, and souvenirs. Hockstein and Weinberg, of Berlin, exhibited some beautiful patterns of glazed and cardboard paper, and C. L. Wust, of Frankfort, had a fine display of playing-cards. The almost universally known lead pencils of A. W. Faber made a good show, and inks were sent by E. Beyer, of Chemnitz, and R. Tetzner, of Berlin. Gonnermann Brothers, of Nuremberg, had on view a large collection of painters' brushes. Schwanhauser, of Nuremberg, had a splendid show-case, beautifully carved and decorated, of leads, artists' and pocket pencils. There were four exhibits of photographs, and T. F. Borgfeldt, of Berlin, sent twelve delicately carved cork pictures.

One of the special features of the German Court was the display of fancy leather-work and bookbindings. F. F. Kullrich, of Berlin, had a collection of most beautifully got up albums. These had sprays of flowers painted on them, or embroidery, or embossed work. Mönch and Seiffert, of Berlin, sent another collection of charming albums of every kind, outrivalling each other in novel designs and excellence of quality. F. Vité, of Berlin, also showed some splendid leather-work; whilst Foerster had a show-case of plush and velvet albums, in different colours. J. G. A. Peper, of Hamburg, exhibited book-covers and leather bookbinder's work of first-class workmanship; and J. C. König and Ebhardt, of Hanover, contributed an attractive case of blank and note books.

Amongst the fancy goods were water filters of plastic porous charcoal, from C. Buhring and Co., of Hamburg; different brushes from D. Pruckner, of Munich; and cigar boxes and other fancy goods from M. G. Junge, of Berlin. G. Adler, of Buchholz, in Saxony, contributed pasteboard articles; and F. Anciön and Schnertzel, of Berlin, sent basket-work and osier goods.

Fermented drinks occupied a conspicuous place. There were numerous exhibitors of "Lager Bier," including those of the Schloss-Chemnitz Brewery; the Bohemian Brewery, Berlin, producing German Imperial and Crown beer; the Pfungstadt light and dark export beer of J. Hildebrand, and others. There were several trophies in the court of various fermented drinks, the largest of which was a huge bottle, about six feet high, of malt bitters, this particular exhibit having been sent by H. Kantorowicz, of Posen, whose factory bears a wide reputation throughout Germany. The wine exhibition embraced samples of the most noted of German wines, including the celebrated Hockheimer. Spirits and cider were well represented, and there was an abundance of liqueurs. J. A. Gilka, of Berlin, had a fine show-case, many of

his liqueurs being peculiar to Germany. In the list were eau d'or, crème de moka, elixir de spa, anisette surfine, &c. H. Kantorowicz, of Berlin, showed samples of liqueurs and fruit juices.

Preserved meats and vegetables were shown in abundance. The Munich Preserving Factory of Dr W. Nageli sent preserved fruits, milk, and vegetables. J. Gernert, of Munich, sent condensed milk. J. H. G. Walkhoff, of Hamburg, had tins of preserved fish, sardines, sardelles, and herrings. Fischer and Schmitt sent gelatine. Lobeck and Co., of Dresden, had an exhibit of "Thee Waffeln," an excellent light wafer biscuit. The same firm sent samples of macaroni. M. Bartsch, of Breslau, had also on view samples of macaroni and vermicelli, in various shapes and qualities.

The display of cigars was very large. This is an important industry in Germany. Loeser and Wolff had a show-case in the German Court containing every variety. One of the most expensive kinds had every cigar wrapped in tinfoil; others were done up in triplets to preserve the flavour. J. Herz, of Frankfort, showed some good samples, besides several other firms. The "Compagnie Laferme," of Dresden, and the Turkish Cigarette and Tobacco Factory, "Sultan," of J. Przedecki, of Breslau, had show-cases of cigarettes and tobacco.

J. Barth and Son, and J. Kann, jun., of Nuremberg, and J. Riess, of Gardelegen, displayed a variety of hops. Lloset and Forschner, cork-stoppers, of Stuttgart, had a large glass case of corks, varying in size from the bung of a barrel to a small phial cork. The manufacture of corks is carried on in many parts of Germany, the raw material being imported from Spain, and then shaped in the factories. In Berlin many objects of art are cut in cork. Leather was represented by the Leatherwork Company of Munich (who had a large show-case), Michel Mayer and Deninger, of Mayence, and one or two others. G. Schaller, of Lahr, sent all sorts of morocco skins of different colours. Amongst chemical products was a handsome monument from the Associated Stassfurt, Leopoldshall, and Douglasshall Salt Industry, Stassfurt; Heyl Brothers and Co., Charlottenburg, had a tastefully arranged exhibit of chemical colours; there was a display of ultramarine, and several show-cases of drugs, gelatines, and oils. Van Baerle and Spönnangel, of Berlin, had a curious case of water glass in bottles and in crystalised lumps, and manufactured into soap.

At the end of the court was the Iserlohn joint exhibition of iron, brass, and nickel articles for household use. It was in a space draped off with green curtains. Close by was a tasteful case of needles and pins, sent by Brause and Co.

A very noticeable exhibit of iron and steel goods of all kinds occupied 70 feet to 80 feet of wall space. This was the Remscheid Joint Exhibition. The thirty cases represented 20,000 articles made in Remscheid alone. There were vices, pincers, augers, auger-bits, bolts, locks, hinges, saws, skates, hatchets, hammers, shovels, and measuring instruments.

In the main annexe of the German Court Messrs. Villeroy and Boch, of Mettlach-Merzig, had an exhibit of tiles and mosaics for halls, public buildings, churches, vestibules, &c. This enterprising firm do a large business in china, earthenware, chromolith, and glass and crystal. They have seven factories, and employ about 8500 workmen. But their specialty is the terra-cotta ware, which was well represented. Every shade of natural stone can be imitated in the hard terra-cotta, not only in colour, but also in grain. There was a handsome earthenware mantelpiece, made in their Dresden factory, exhibited by this firm.

A kiosk was erected close to the Iserlohn Exhibition for the display of sewing-machines from the German Sewing-machine Factory, of Frankfort-on-Maine. Many other makers also showed their particular specialties. A German portable engine stood in the temporary annexe, manufactured by H. Lanz, of Mannheim. The boiler was upright and single riveted. The cylinder was inverted, with a plain rectangular bar as guide for the cross-head. A rather unusual attachment was present in the form of a second feed-pump, worked by hand by means of a lever; the governor was of Tangye's form. The Saxon Machine Factory, of Chemnitz, exhibited one of the largest and most interesting collections of machines ever brought to this country. Machines for spinning and weaving were in full operation, and showed the whole succession of processes through which the wool has to pass, from its raw state to the finished tweed. The same factory exhibited a collection of iron and wood working machines, displaying splendid workmanship, combined with strength. An engine was also shown worthy of especial notice. It was small in size, but magnificently finished, and provided with the most modern appliances for securing economy of steam and regularity of motion.

The exhibit from the famous manufactory of Fried. Krupp, of Essen, Germany, was one of the most conspicuous. It comprised a field-gun, with carriage of beautiful workmanship; samples of railway carriage axles, of crucible steel, ready fitted with tyres of the same material, and spokes, wheels, and nave of wrought iron. Locomotive and railway carriage springs were shown in large variety, and also specimens of iron and steel. One monster plate of crucible cast steel, measuring 26 feet 8 inches long, 5 feet 5 inches wide, and 9-16ths inch thick, showed the capacity of the establishment. The plates made are equal in quality to the best English, and are considerably cheaper.

J. P. Piedboeuf and Co., of Dusseldorf, had an exhibit of tubes for marine and stationary boilers, tubes and fittings for gas, steam, and water; also, special hydraulic press tubes.

Emil von Gahlen and Co., of Dusseldorf, showed samples of iron rivets of every description. The Dusseldorf, Eisen, and Draht Industrie had samples of their "cock" brand annealed fencing wire; also, wire nails, and different other kinds.

THE ITALIAN COURT.

There were two main sections of the Italian Court, one of which was to the left on entering the main building by the eastern portico. In the pavilion to the rear of this section was a magnificent display of the celebrated Venetian glassware and mosaics, exhibited by the Compagnia Venezia-Murano. The mosaics produced by the company are chiefly of the Venetian-Byzantine style, for church decoration. These are described in the Fine Arts division of the "Record." The collection of glassware in the Italian Court was unrivalled, and was arranged with the greatest taste. It illustrated the development of this branch of art manufacture from the twelfth to the fifteenth centuries, being, in many instances, reproductions of specimens of Murano ware preserved in the Slade collection in London, in the National Museum of Naples, in the Vatican at Rome, in the Castellani collection in the same city, and in the Museum at Bologna.

Even in the middle of the thirteenth century the glass manufactured on the island of Murano, which forms part of Venice, was highly thought of, and, amongst other qualities, it was supposed to possess the property of shivering to atoms if poison were poured into any vessel made of it. The first display of this glass took place at Murano in 1268. At the period of the Renaissance the Murano fabrics were eagerly sought after, and attained a degree of artistic excellence that no other city could rival. The real superiority of Murano glass consisted in this—that whilst artificers elsewhere had recourse to mechanical appliances in modelling and decorating their wares, the Venetian workmen trusted exclusively to their educated and artistic eyes and hands; and thus there was as much difference between their products and those of other glass-workers as there is between a panel carved by Gibbons or by Rogers and one which has been executed by machinery. The vitreous fabrics shared in the general decadence of art in Italy, and the works turned out in the seventeenth and eighteenth centuries were clumsy and *rococo*; but the last few years have brought about a revival in the glass manufactures of Murano.

There were two cases of glass exhibited in Melbourne, of so slight a texture and so light of weight that it looked as if it had been composed of a mere transparent film. There were mirrors framed in fragile flowers and leaves, lustres and candelabra, vases, tazze, centre-pieces, beakers, goblets, chalices, and table glass. Some were enamelled in various colours; others overlaid with lace work; others embossed with curious ornaments; others had a thin leaf of gold introduced between two layers of glass; others were sprinkled with turquoise, or agate, or gold; others were enamelled in imitation of precious stones; others were of the *pagliasco*, or colour which belongs specially to Murano. Cavaliere Candiani sent articles of blown glass in imitation of marble and stone. The opal glass was very well represented, and many of the vases and fancy ornaments were made with delicate spiral stems branching out above, and ornamented with coloured flowers. There were numerous exhibits of glass beads; and Tommasi and Gelsomini had a case of fancy reticules, flowers and hats, made of spun glass.

The *chef d'œuvres* in majolica and antique porcelain are noticed in the Fine Art Italian section, as were also the cameos and ivory carvings; and this enables us to pass over at once to the show of jewellery, which was very attractive. SS. Olivieri and Sarfatti, under whose care the glassware was sent out, also had a number of other exhibits. Fronting the nave was a handsome case full of bonbonnières, frames, vases, &c., decorated with Venetian mosaics. Then there was a case of pink cameos and another of spun-glass articles, an enamelled gondola and a silver basket of filagree work, malachite ornaments and mother-of-pearl fancy articles; mirrors, ornamented with mother-of-pearl flowers; and inkstands, as boats in full sail, of the same material. Amongst the mosaics were two lovely flower vases, with a little stand on either side of mosaic work, clusters of forget-me-nots, daisies, and roses. Then there were carved paper-knives, the handles being inlaid with wreaths of daisies on a light blue ground. Giovanni Boncinelli and Sons, of Florence, had an array of show-cases, full of jewellery and mosaics, under their charge, besides one from Giojuzza and Giobertini, of Palermo, of real coral ornaments. Their best case, fronting the nave, contained chiefly jewel-boxes, frames, and other fancy articles, inlaid with mosaic; also, rings and bracelets; another case contained works in shells, lava, and cameos. There was a piece of carved lava, representing a peasant dance; and a small case was devoted to showing the entire process of cutting a cameo, from the first sketch on the bare piece of shell. Francesco Ciapponi and Co., of Rome, sent some beautiful cameos, being copies of classical subjects existing in the Roman museums.

Another handsome case in the front nave was awarded first prize. It was from Marriotti and Fantoni, of Florence, and contained old Etruscan necklaces, with cameos or mosaics

inlaid; turquoise ornaments, and narrow wrought-gold bracelets. Behind these exhibits was an enclosed platform of different weapons. Two cloth-covered erections were hung with sabres and foils, which obtained a first order of merit. Another prominent object was a brass torpedo-gun (eight-pounder) and a mitrailleuse. A few pianofortes were also placed in this division of the Italian Court from Carlo Roeseler, of Turin; Brizzi and Niccolai, of Florence; and Vittorio Giuliano, of Naples. In the central avenue, beyond the English, French, and German Courts, were situated the remaining sections belonging to Italy. They were ornamented by *fac-similes* of the coats-of-arms of one hundred principal Italian towns and cities, which were distributed throughout, and a few statues were also added for the decoration of this division. Fronting the avenue was a row of show-cases from Francati and Santamaria, of Rome. One or two of these contained very beautiful filagree work, in imitation of the old Etruscan; some necklaces, bracelets, and earrings claimed special attention. Francati and Santamaria brought out under their care a splendid show of coral from a house in Naples; but as this institution objected to any competition for their goods, their names were not given. Stefano Beretta sent filagree ornaments in silver and gilded.

The bronze and art castings in the Italian Court were very choice and attractive. Pasquale Arquati, of Venice, sent out very handsome articles, amongst which were some antique bronzes, inkstands, figures, bells, and seals. There were also busts, a beautifully carved knight in armour on horseback, a finely chiselled bull, and other artistic objects. Don G. Palmieri, of Venice, sent some black bronzes, including a crucifix and candlesticks. De Poli Brothers, of Vittorio, sent a bell of bronze. Cavaliere Nelli, of Rome, sent a splendid display of artistic bronzes. Some of these represented gladiators and different figures in every kind of pose, birds on light pedestals carrying lamps, green bronzes of the lightest and most elegant designs, and of every conceivable shape and pattern. Pietro Tis, of Venice, had some plates of wrought metal in relief, and B. Zalaffi, of Siena, sent articles in wrought and chased iron. There were several stands of terra-cotta figures and groups, mostly representing comical subjects, and ornaments of every kind in alabaster. Claudio Pochini, of Volterra, had a beautiful grey alabaster column with a basin at the top. Consiglio Ricchetti, of Venice, had two busts inlaid with coloured marble, representing a negro and negress. Guggenheim sent a magnificent carved-wood frame, the support of which was a wreath of laurel. An eagle stood at its base, and little angels were grouped around.

In a separate division were alabaster monuments, from Joseph Weiller, and marble tombstones. Evangelista, of Naples, exhibited a singular terra-cotta model for a gravestone. On the broad base of the monument a cross is laid and strewn with flowers. Buzzi Gilberto, of Milan, showed some garden furniture sculptured in cement. The chiselling of the birds and fruits and flowers was most artistically done. Galli Rizzardo had another set of the same description. Cesare Fontana, and Isidoro Sommaruga, both of Milan, exhibited two tower clocks with formidable works. There was a carriage cab from Macchi Brothers, of Varese, and a small "cabrio-milord," from Enrico Trinci, of Pistoia. G. B. Mino and Sons, of Alexandria, sent some machines for the manufacture of goldsmiths' ware; F. Gavazzi, of Pradalunga, had two little pyramids of stones for sharpening; and Rosario, Ravesi and Co. sent some cement tiles for paving, and two cement tables made of pebbles, or, rather, of bits of polished stone cemented. Napoleone Fassi and Brothers, of Venice, sent a complete gondola, and one gondolina was shown in this section. Besides these were two show-cases containing sulphur. In 1878 the total amount of brimstone produced in Italy was 260,325 tons. Bernacchi Brothers, of Forli, had a collection of one hundred different kinds of Italian woods, and Ingegnere Conte Giulio Pulle sent a case of every kind of sparkling mineral from Elba, with a corographic map of the island. Cavaliere Segismondo Brogi, of Siena, exhibited a large case of natural history specimens of stuffed birds and animals.

Beyond this division was a room with pillar supports, prettily draped, and surmounted by the Italian colours and coat of arms. It contained two carved bookcases, brackets, pictures, mosaic tables, terra-cotta groups, and frames of carved wood and gilt cement. A number of alabaster plates were exhibited with an embossed head in the centre on a back ground. The Italians had a good show of furniture. Marco dal Todesco, of Venice, sent a suite of inlaid bed-room furniture. A drawing-room suite from Antonio Rossetti, of Rome, was a novelty; the frames were made of highly polished bulls' horns, and covered with the hides of the same animals. The hair, unlike that of the common ox, was long, soft, and of a greyish colour. G. B. de Lotto, of Venice, had carved bookcases; a curious ornament was a bunch of grapes with cupids climbing round it, and one little cupid perched at the top. A. Martinetti, of Rome, exhibited a mirror of a unique design; the frame was ebony, richly carved, and there was a fine study in oils, painted on the mirror itself. The motto was—"Nature, Life, and Death." Lenora Brothers, of Turin, showed several cases of silks and damasks for furniture. P. A. Bergomi, of Monza, and Sartori Brothers, of Venice, were also exhibitors.

A large compartment was devoted to Italian wines and liqueurs. A large kiosk was erected in the centre with a railing round it, the roof and pillars being built up with wine bottles, and Bacchus, sitting astride a cask, quaffing a goblet of wine on the top of the trophy. Vermouth and Vino d'Asti were amongst the exhibits. Confectionery and different alimentary products

had a place in this division. A large case contained Bologna sausages, hams, cheeses, preserved vegetables, preserved meat, cheese, and butter, as well as condensed milk and olive oil. Another had samples of macaroni and different pastes; then there were samples of rice and wheat. Another case contained Italian hams in boxes, and salt meats. Gay and Revel sent "Chocolat à la Santé." Avvocato Cavaliere Giacomo Bellucci Tosi sent preserved fruits in vinegar. Perfumery was represented by essences, perfumed rice powder, and various extracts and perfumes. Eugenio Annibali had a special exhibit of "Della Lupa," a perfumed hygienic water. There was a very attractive case containing matches from Abbona and Romagna, of Moncalieri. F. Lavaggi and Sons, of Trofarello, also had a prettily arranged case.

Cesare Marchini, of Fiesole, exhibited articles in fine straw, and a large collection of ladies' straw hats. N. di G. Aducci, of Forli, sent a hammock, and Cavaliere F. Franzi, of Milan, had some leather travelling articles. In minerals there was an exhibit of asbestos, by Domenico Ulrich, of Turin.

Giacomo Praccanica, of Messina, sent a variety of Sicilian and American hides. Bloch and Sons, of Milan, showed some imitation leather for soles and ready-made heels. The Zambonis, of Verona, and Narizzano and Gherzi, of Genoa, were also exhibitors of leather. Twelve pairs of carriage lamps, from the factory of G. Savettiere, Palermo, embraced some specimens of splendid workmanship. Only a moderate display of textile fabrics was made; and the exhibits of hosiery and articles of clothing, including boots, umbrellas, and gloves, did not show much skill in their manufacture.

A fine show of raw silk was made by E. Santini, of Asimo. Allesandro Barhensi and Co., of Florence, sent some artistic work in embroidery for covering chairs and cushions.

Some of the specimens of Venetian laces exhibited by M. Jesurum and Co., of Venice, were very beautiful.

Large show-cases of cigars were sent by the Italian Society for the manufacture of Tobacco, Rome.

A. and C. Binda, of Milan, and C. Carcano, of Maslianico, showed specimens of paper of various kinds; whilst Luigi Mandoj, of Bari, and Francesco Orsenigo, of Milan, had samples of ink and printing inks. A large case of string and wind musical instruments was shown by Alfonso Abbate, of Naples, and Giuseppe Pelitti, of Milan. There were very few books amongst the Italian exhibits, but different photographs were sent; and Carlo Ponti, of Venice, exhibited a megaleoscopio, with table and photographs. An interesting educational model was also shown of the gymnastic scaffolding of the central gymnasium of Naples. Medals of gold, silver, and bronze had been awarded it in the gymnastic congresses at Rome and Turin.

THE JAPANESE COURT.

The Japanese Court was ornamented tastefully with flags, and some Japanese writing figured along the front. The staple industries and manufactures of the country were well represented. Two large erections of cases, one at either end of the frontage on the central avenue, were devoted to tea and rice, samples of which were arranged round, under glass. In the centre of these was a splendid show of silk, in its different stages of preparation for manufacture. The Board of Agriculture sent a collection of cocoons, both white and yellow; and there was raw silk, undressed, reeled, and wound. There were also large show-cases of beautiful manufactured silks, materials for dresses; and bright designs of flowers and birds, and tapestries, for decorative purposes. Some handsome silk coverings were embroidered with flowers. One piece was ornamented with the stem of a tree, from which branches forked in all directions, with long delicately coloured leaves. The loveliest groups, and single birds, clustered about these, the dark-blue glossy plumage and white breast standing out with great beauty against the very light-blue background. Embroidered silk shawls were also displayed—waste silk fabrics, and photographs of every kind of machine and loom in use for silk manufacture. Silk and cotton carpetings were shown, and various cotton and hemp fabrics. The Board of Agriculture, Tokio, sent samples of woollen cloth, and there was a photograph of the Imperial Japanese Cloth Factory at Senju. Silk cravats and handkerchiefs, fancy neckties, and umbrellas were amongst the clothing, and some very curious articles of apparel made of fibrous paper, and of a silk and paper mixture. The paperhangings and artistic papers in imitation of leather were worth noticing. The crinkled samples especially were very prettily designed in different tints. Toilet soaps, Japanese lanterns and fans, dolls with the true native cast of feature, and other playthings were exhibited. There were some really pretty blinds of split bamboo, the notches being formed into a watered design, on which elegant sprays of flowers were painted. The tobacco leaves made a fine show, as well as cigars and cigarettes from Tokio. The collection of specimens of forest trees was most important; and different samples of ropes were sent made from a kind of palm-tree called the shuro. The Tokio Board of Agriculture sent a splendid assortment of seeds, of dried chestnuts, and of ginnan and fish, preserved fish, and venison,

sardines, kuzu, several products of the edible seaweed, and specimens of vermicelli, vegetable wax, glue, peppermint, and candles. Chemical products were represented by several acids, and the yuzen, or silk fabrics on which objects are produced by dyeing. The Tokio department sent a collection of minerals, and there were 112 specimens from J. Sugimura, of Shiga. Sulphur, which is one of the products of the country, was shown by several exhibitors; and there were samples of marbles, with a well-designed white marble table.

The *Argus* writes, that "a visit to the school exhibits in the Japanese Court is peculiarly suggestive, as showing the growth of western ideas in that remarkable nation, which has adopted European dress, manners, and institutions at a bound. On the walls are shown charts, illustrating object lessons in natural history and botany, besides the dial of a European clock; while a large collection of photographs introduces us to the interiors and exteriors of the museum, medical school, Tokio University, besides some of the principal educational institutions of Nagasaki and Jolhigi. But one of the most interesting facts is that a normal school for the training of Japanese teachers has been established. Beginning in 1871 with 60 students, it has now turned out 259 'graduates,' some of whom are occupying responsible positions in the school-boards under local governments. The specimens of pencil drawings by Japanese art students are of a decidedly smudgy character, and all the faces are drawn with a most comical eastern smirk; but the exercises of students in composition are done with striking neatness in Russian, German, French, and English, the exercises in the three last-named languages showing fluency and idiomatic knowledge. The visitor's eye will be arrested by a curious circular coloured diagram, on which, in segments like sections of a cheese, are represented interesting statistics about the school attendance of boys and girls."

The educational department comprised various instructive objects for the training of infants, and desks with seats. The Japanese pictures were very curious, some of the figures being made to rise considerably above the background. The Japanese Court contained many specimens of lacquer-work. This art, they say, was known in Japan a thousand years ago, and attained perfection at the close of the thirteenth century. The exhibits display the distinctive native taste in their exquisite decorations. The gold lacquer is very expensive. One of the jewel-boxes looked like metal, the gold lacquer which encased it being so wonderfully polished and brilliant. There was an extra appendage to this one made of carved red lacquer, on a black ground, which gave it a rather singular appearance; but the value of this little nicknack was £25. Another was composed of two cross fans, a musical instrument being introduced at one corner. One little gold lacquered box was covered with fans, the fans themselves being most delicately carved, and having views, and sprays of flowers inlaid in silver. A beautiful tortoise-shell fan was exquisitely lacquered. It must be remembered that all the inimitable productions of the Japanese artists, both in lacquer-work and ceramic ware, are the result of months of patient labour, weeks being sometimes spent over one little spray of ornament, a flower, or the wing of a bird. The main feature of the court was its porcelain and enamel ware. At the commencement of the Christian era two centres of faience manufacture were established in Japan, and at the close of the seventh century a Buddhist monk revealed the secret of translucent pottery. The Japanese left the Chinese far behind them in the arts of decoration and design. The Chinese gave a low place to their artists, making the art a purely mechanical one, and dividing the manufacture of the ornament among several workmen. The Japanese loved his art; his position was assured, and he inherited his skill from generations of artist ancestry.

There were several kinds of valuable porcelain. The crackled ware is esteemed most highly, a single specimen being often valued at a thousand ounces of silver. The Japanese assert that their ancestors, five-and-twenty centuries ago, worked in porcelain, and they are splendid imitators of nature; but they do not seem to comprehend creation. The *Argus* gives the following description of some of the porcelain decoration:—"There were berries in various stages of growth, from crudeness to maturity; seed-vessels drooping with overfulness, or bursting and scattering their contents upon the fruitful earth, or withering and shrivelling; birds on the wing, birds bathing, birds preening their feathers, birds poised upon one leg with half-closed eyes; insects and fishes, instinct with life, stamped with character, and full of motion; and the human figure, more often than otherwise, grotesque in position and humorous in expression. Look at their crane—symbolical in Japan of longevity, as also are the pine, the turtle, and the bamboo—resting beneath the shadows of the broad, wrinkled, and ragged leaf of a water-lily, which is decaying, and even decomposed in places, and honeycombed by insect ravagers. A small frog has squatted upon a seed-pod, and various little birds are seen to be peeping and prying for food, with characteristic alertness of vision and vivacity of movement among the contorted stalks and flexible leaves of the aquatic flower; while the lily itself is represented in all stages of growth, from the tender bud, shut up in its green perianth, to the fully developed bloom; and thence again, through all the stages of decadence, until only a single petal hangs by a frail connection from the calyx, and even the seed-vessels are perceived to vary in aspect and texture from fullness to vivacity, from succulence to dessication." It is impossible to describe the many lovely objects. Some of the porcelain had wonderful flower patterns, or peacocks' tails, in slight relief upon it. Others were perfect white ware with exquisite orna-

mentation, dragons on a smoked background, and various designs. Two immense dishes had a light blue ground, on which a bird was depicted flying down amongst grotesque monsters. The Kaga porcelain was of a deep red, with mythological subjects gilt upon it.

There was a small court devoted to Japanese ware, belonging to Mr. Singleton, quite apart from the one just mentioned. Here were two vases of Kioto porcelain, very finely carved and chiselled. The ware was white, and one mass of chiselling, so that it seemed uncertain whether it were porcelain at all, or some kind of soft white stone, which had acquired very much the same effect as tin-splash specimens. There was a collection of banko ware, and two magnificent Satsuma vases were exhibited from the south-west province of the Japanese empire. The decoration was done in Tokio, the present capital, situated in the province of Musashi. It represented ancient mythological events that occurred on the introduction of Buddhism from India to Japan several centuries ago, and occupied one of the leading Japanese artists three years to complete.

Some kettles, made of a mixture of iron and steel, were nicely carved, and easily cleaned by washing them in tea water; and there were several magic mirrors of Japan. These, we are told, "have attracted the attention of many learned professors, with a view to explaining their peculiar properties. The peculiarity consists in the fact that any design in relief that may be on the back of the mirror is more or less distinctly shown on a screen, on which the reflection of the sun is thrown from the face of the mirror. It is a metal composition."

Returning to the principal court, we find the most gorgeous and beautiful display of Satsuma enamelled ware. Some of the latter were exhibited on porcelain tea sets; but the most expensive were on bronze jars and vases. Several enamelled vases were very beautiful. The ivory carvings and fans were very choice exhibits. Two magnificent flower-holders were made of great lengths of ivory, branches in carved wood spread round them.

The bronzes were very fine, one specimen being a wonderful carved mythological group. There were also inlaid works in bronze, and embossed ware in iron and bronze, some of these being very handsome. Embroidered silk drawing-room screens and cloth of gold were also very attractive features in the court.

MINOR COURTS.

CHINA.

The little Chinese Court occupied a space in the northern transept, but the display was very disappointing when the wealth and extent of the Chinese Empire and the ingenuity of her people are considered. They have not the cosmopolitan spirit of the Japanese, but prefer a monopoly of their arts and industries to progressive competition with foreign nations. The principal feature of the Chinese Court, and one which attracted the notice of every visitor to the main avenue, was a hexagonal temple, made by employes of the Oriental Tea Company to display their various samples of teas from Canton, Foo Chow, Amoy, Shanghai, and Hankow. The corners of the temple were adorned with bells, and handsome jars were arranged beside the six supporting pillars. Other exhibits of tea were shown, some in glass dishes, and a trophy was sent by the Ceylon and Foo Chow Tea Company. A few small tea-plants were also struggling through an unhealthy existence away from their native air. Grotesque drawings, with a very limited perception of perspective, were, however, interesting, as giving a graphic idea of the processes of tea preparation. A unique and really magnificent screen was exhibited; the frame-work, which was of ebony, elaborately and grotesquely carved, and the leaves, divided into squares and other patterns by the carved wood; beautifully executed porcelain paintings filled up the spaces. Other screens were embroidered in silk, and the brilliancy and beauty of the peacocks' tails were worthy of reproduction on European fancy work. Some of the tables were inlaid with porcelain, having scenes painted on them. One or two exquisite Chinese cabinets were displayed, and there was a writing table covered with similar grotesque gilding. The exhibit of porcelain was very indifferent, and although a few of the vases were old and rare, neither the shapes nor the designs were delicate or choice. The soapstone ornaments were pretty; and a case of ivory carvings contained some finely executed Chinese work on different fancy articles. The fans of white feathers were covered with designs in brightest colouring. Chinese silk was not forgotten. There were samples of the raw material as well as silk handkerchiefs, and specimens of China silk for dust-coats. At the entrance to the court a glass show-case contained very handsome crêpe shawls, for which the country is justly famous. Brilliant and quaintly grouped flowers and birds, painted on white silk screens, set off by dark carved frames, and embroidered silk quilts, completed the display. There was a large collection of Chinese coins, both copper and bronze. Raw and manufactured products were represented by hemp and jute, and a grey goatskin, with a robe of black dogskin.

In the north transept were spaces allotted on a small scale to several countries represented only by a few exhibits.

PORTUGAL, SPAIN, AND COLONIES.

A very striking trophy of fibres from Manila and Cebu, in the Philippine Islands, was exhibited by S. de Beer. The fibres were arranged in draperies and plaited festoons round a pavilion, on the top of which was a cone of fibres. Portugal had a show-case of decantered wines, of twelve different qualities. Two or three photographs represented peasants engaged in the vintage.

RUSSIA.

Russia was represented by a magnificent exhibit of her leather, which scented the air around. It was sent by Sokoff and Son, of Baroosk.

SCANDINAVIA.

A few books and pictures, including portraits of the royal family of Denmark and Sweden, were amongst the Scandinavian exhibits. There was a pretty show-case of matches from Stockholm, and royal hunting hammocks from Mölltorp, in Sweden. Norway contributed cod-liver oil and preserved fish, as also arack punch, and several exhibits of pale ale. From Denmark came rennet and fish preserved; also, bitters, cherry brandy, table mead, and honey punch.

TURKEY.

The exhibits from Turkey consisted of carpets, and different nick-nacks from Jerusalem and Bethlehem.

NEW BRITAIN AND NEW IRELAND.

There was a large and curious collection of native implements and weapons from these islands.

WHITE ISLAND.

This island contributed a splendid exhibit of sulphur, both pure and in the ore. There was reef sulphur, black sulphur, sulphur in the lump, flowers of sulphur, refined sulphur, &c., and gypsum, which somewhat resembled pumice-stone in consistency. The sulphur exhibit was presented to the Melbourne Public Library.

THE NETHERLANDS COURT.

THE frontage to the Netherlands Court was closed in by a partition of plaited brown merino, surmounted by the coat of arms of the Royal family of Holland. On either side of the shield was a lion, the crown being placed above, and, underneath, the famous motto of the Orange Nassau family—"Je maintiendrai." Flags were tastefully arranged, both outside and in the interior of the court; and at the other end the Royal arms were displayed again. All along the inner wall was ranged a great variety of imitations of wood and marble, painted on canvas. The exhibitors were T. W. Kieffer, of Leeuwarden; P. van den Burg, of Schiedam; M. van den Burgh, of Schiedam, and one or two others. Many of these canvasses bore a perfect resemblance to the stone or grains of wood, and were an interesting feature in the court. There was also a guide for self-instruction in the art, sent out by P. van den Burg, of Schiedam. Books of instruction in architectural drawing, and several works and reports of societies and schools, were shown; also a collection of charts and maps, amongst which were three geological maps of Java, part of Sumatra, and the Island of Banca. A volume on the different kinds of cattle bred in Holland were illustrated by fifty-four coloured plates. Some chromo-lithographs of the *chefs d'œuvre* of the Dutch school of painting were well executed. On entering the court, two stands of revolving frames confronted the visitor, containing photographs of public works; in the centre of these was a beautiful piece of calligraphy, illuminated by the calligraph of H.R.H. the late Prince Henry of the Netherlands, being a complimentary address to the Queen of England. A glass shade on a pedestal, standing just beyond, contained some gold chains from the Netherlands Gold Chain Manufactory, of Amsterdam.

Holland has always had the highest reputation for her spirits. Messrs. J. de Kuyper and Sons, and Blankenheim and Nolet, of Rotterdam—the two most famous distillers of Geneva or Hollands in the world, exhibited delicate choice samples. There was also a choice collection of the renowned liqueurs of Wynand Fockink, of Amsterdam, so inimitable by other makers. Erven Lucas Bols sent fine liqueurs; Stibbe Brothers had both bitters and liqueurs. Van Zuylekom Levert and Co. obtained many prizes from former exhibitions for their liqueurs, bitters, and rectified spirits; and J. J. Bal, of Middleburg, had received prize medals for his white and red currant wines.

The distillery of the Netherlands Yeast and Spirit Manufactory, at the Delft, is one of the largest in the world; the samples of the spirit sent to Melbourne, distilled from maize and other grain, contained 95 per cent. of pure alcohol. Van Vollenhoven and Co. had an exhibit of their Falcon beer, and J. A. N. Schagen van Leeuwen and Co., of Delft, showed specimens of their aromatic vinegar, which no other make surpasses in strength and delicate flavour. There was a pretty case of rice starch from F. Heumann and Co., of Rosendaal, Antwerp; genuine Deventer cakes, from Klopman and Baerselman, who also sent Dutch grass butter in tins, guaranteed to remain fresh in the warmest climate for years. The Dutch are famous for their fine tobacco, and several of the most renowned firms contributed exhibits. Bleckman Brothers, of Arnheim, had delicate Havanas; A. J. Reijnvaan, of Amsterdam, had a show-case of cigars, some of which were of a surprising size, and prepared tobacco; the cigar boxes displayed by this firm were of various novel shapes. C. G. van der Post, of Gouda, showed samples of cigars and cigarettes.

Amongst the chemical products was an elegant carved, black, slanting show-case, on a stand; the back contained a mirror; the front and sides were open; whilst long glass tubes of lubricating oils were held in position by sockets above and below, and produced a good effect by their reflections on the mirror.

J. van Dekker had a display of laundry blue, of the brightest hues. The collection of paints sent by W. Leur and Co., of Schoten, and made with Dutch iron ore, included every variety of colour, and was of great interest.

The Royal Dutch Bent and Ground Glass Works, of Dordrecht, sent some beautiful specimens of window glass and glass tiles. The landscapes, or other devices ground in the glass, were most attractive. F. W. Braat, of Delft, exhibited two or three zinc statuettes; and at the further end of the court was a pagoda, with little steps all round, containing a picturesque display of harmless matches, from Hoogendyk, Fromberg and Co., of Apeldoorn. Textile fabrics were represented chiefly by the house of Veltman and Co., whose quilts were hung in folds round a couple of stands, and were made of cretonne, cashmere, and silk of pretty hues and patterns. L. V. Ledeboer and Sons had splendid serges, cloths, and flannels; and B. van Leer sent druggets. The show-case of W. Swinkels, Helmond, was handsomely ornamented with gilding on black polished wood, and contained Turkey yarn of various shades of scarlet, which is largely exported to British India and America, to be woven into fabrics.

On either side of the entrance were exhibits of perfumery. A handsome delf case, peculiar in form, and painted by hand in a Japanese style, belonged to the Maison Neuve, of Delft, and contained a large variety of toilet requisites. J. C. Boldoot, of Amsterdam, sent samples of his excellent eau-de-Cologne; and Sanders and Co., of Leyden, had soaps of several qualities.

The mathematical instruments of B. Holsboer, consisting of a theodolite, spirit level, compass, and especially an ingenious and recently invented machine for measuring the velocity of a stream, were of great interest to scientists. The seamless hose pipes of Bickers and Son, of Rotterdam, were made of hemp, round woven, and so strong that they could resist the pressure of from four to six atmospheres. Prakke Brothers, of Eibergen, sent capital samples of beltings and other leather works. There was a large collection of seeds and bulbs from the florist, E. T. Voute, of Zeist, which would, no doubt, have afforded valuable suggestions (owing to the Dutch having devoted a great deal of attention to floriculture), but the bottles of specimens had no labels or names attached.

T. Regout and Co., of Maestricht, exhibited iron and brass nails of excellent workmanship; and Rouppe van der Voort and Lewin, of Bois-le-Duc, had a handsomely arranged and very good exhibit of metallic capsules, tinfoil, tin and lead. Blocks of coal were shown from Java, and a figure curiously carved out of the coal by a native. The only display from the islands of Borneo, Sumatra, Java, Banda, and the Moluccan Archipelago, was a collection of ores and minerals. It was presented to our museum through the courtesy of the Dutch Colonial Government, as also some sugar and spices from Java.

THE SWISS COURT.

The entrance to this court was in the form of the gable of a Swiss chalet; over it was the coat-of-arms of the Confederation—a plain white cross on a red ground, with the national motto, "One for all." On one side of the shield was the figure of a bear, and on the other a chamois—the two most important animals to be found in Switzerland. The coats-of-arms of the twenty-two different cantons forming the Confederation decorated the walls of the court. There were several paintings by Stuckelberg. The most noticeable, however, was one by Rudisuhli of a valley with dark pines, the grass foreground of which was, however, rather blurred. Above rises the snowy mountain, upon the summit of which is reflected the exquisite glow called "The rose of the Alps." Three large stereoscopes contained an excellent collection of Swiss views photographed.

J. Flück exhibited a great variety of the celebrated Swiss wood-carvings. There were albums, chalets, rings, salad knives and forks, fans, paper-knives, little flower vases, brackets, frames, writing books, watch cases, &c. Several Swiss publications and pamphlets were sent, and Bonfantini, of Basle, had specimens of typography. There was a typographical map of Switzerland, and besides these were plans and charts of the Giessbach and St. Gothard railways. J. Ganz, of Zürich, sent a very complete and handsomely finished magic-lantern, with a large collection of slides, amongst which were specimens of botanical and natural history objects. J. Kern, of Aarau, exhibited some mathematical instruments; and J. Trost and Co., of Zürich, had three very excellent pianos, which were now and then played upon by a girl in a pretty Swiss costume. Switzerland is renowned for her manufacture of musical-boxes, and there were seven exhibitors at the Melbourne Exhibition. Every variety was shown, ranging from £50 downwards. Some were beautifully finished, and had bells, castanets, and drums. Others were in imitation of Chinese music; another had only sacred airs; whilst some were in imitation of the flute or the harp. G. Daverio, of Zürich, sent a model of his patent roller mill, the whole milling process of which is conducted without stones. It had grooved rollers for cracking and granulating hard and soft wheat, smooth rollers for grinding and opening semolina. Amongst the alimentary products were numerous tins of Nestle's food—which has acquired a world-wide reputation, and which is often preferred to milk as food for infants—and of his condensed milk. Peter Cailier and Co., of Vevey and Geneva, exhibited chocolate and milk-chocolate. A. F. Dennler, of Interlaken, had stomach and iron bitters; whilst J. Lecoultre, of Geneva, sent peppermint extract. The stomach bitters of Dennler were made from a variety of Alpine plants. There were cases of cigars sent by Ormond and Co., of Vevey, and T. Kottman, of Solothurn. Of chemical products, there was an interesting glass case containing a variety of dyes and aniline, cards of silk being introduced to show their effect. The Swiss are famous for their embroideries and silk ribands. Baenziger had some coloured edgings and insertion embroideries with a strawberry pattern, the fruit and flower and leaf forming a graceful design. Bally Brothers had some very fine embroideries, as well as a collection of ribands. Albert Arnold had specimens of lace curtains, and Blumer and Wild exhibited ladies' fancy dress goods. Wm. Reiner, and Bally and Schmitter, of Aarau, showed samples of elastic webs for boots. A very interesting show-case contained bolting cloths and silk gauze for dressing flour. A cylinder was shown in Egli and Sennhauser's case, covered with different textures of bolting cloth, so as to exemplify the mode of using it for sifting purposes.

Swiss watches are known to all the world, and of these there was a creditable show at the Melbourne Exhibition. Grosjean, of La Chaux-de-Fonds, had a small case containing every part of the machinery of a watch. Droz and Perret, and the Longines Watch Co., also had a great variety of portions of watches. A. Breting and Co., of Locle, had some very handsome but plain gentlemen's watches. One of the largest firms employed in this industry in Switzerland is the Jura Watch Co., represented by M. V. Sandoz, whose exhibits were near the entrance of the court. This firm makes watches by machinery, and employs 1500 workmen in their three factories. Among the great variety of watches shown by this company may be singled out a sample of a gentleman's watch of the simplest construction. The case is made of nickel, and does not turn black. As many as two hundred of these watches can be manufactured in a day, and sold at a very low price. The Jura Watch Co. also had a very pretty small lady's watch, with a space inside for a photograph.

There were over forty exhibitors of watches and jewellery in the Swiss court at the Melbourne Exhibition, and it was estimated that the value of the exhibits was about £13,000 or £14,000.

The watch industry in Switzerland gives employment to nearly forty thousand men, chiefly in the cantons of Geneva, Neuchâtel, Vaud, Berne, and Solothurn, which produce annually half a million of watches. In the year 1877, 1532 cwt. of watches was exported. Messrs. Baume and Co., of Geneva, had a very handsome show-case of black and gold, in the centre of the court. These were hand-made, and of the best quality. Amongst them were keyless chronometers, keyless perpetual calendars, keyless chronographs, quarter repeaters (with independent centre second), &c. J. M. Badollet and Co. had a very attractive show-case containing the "smallest watch in the world," less than a threepenny bit, which looked quite large beside it; another little watch above being about the size of the coin. There was also a very handsome gold gentleman's watch in this case, which had a beautifully engraved coat-of-arms on the back, finished with different coloured enamelling. Some of the chains, which were artistically executed, belonged to Gay.

Patek, Philippe and Co., of Geneva, had some of the best exhibits. Amongst others was a very elaborate gentleman's chain and locket of old gold. There were some very small watches in this case, and boxes of pieces used in the manufacture of watches. Perret and Gay had a handsome show-case at the entrance to the court, containing massive gold chains of every size and description. Haas, Privat and Co. had two lovely little enamel clocks and two handsome jewel-boxes. F. Brown, of Geneva, had a great variety of chains, bracelets, and lockets.

Cartier and Amez-Droz had an exquisite lady's watch, the back of it set with pearls and turquoises. Messrs. Rutishauser and Douillon, of Geneva, had a show-case of eighteen-carat gold jewellery, rings, bracelets, lockets, &c., many of them being of most artistic workmanship and design. There was another exhibit belonging to L. Gostkowsky, of Geneva, containing a very large pearl ring; also diamonds, sapphires, emeralds, turquoises, and rubies, set in a variety of ways as rings. Two amethyst hearts, with a little diamond coronet at the top, formed a beautiful ring.

THE UNITED KINGDOM COURT.

The sections in this court were more numerous than those of any other nation, and the total area allotted to it larger. The aggregate value of the exhibits was estimated at a quarter of a million sterling, and the display such as to excite the deepest interest in the minds of the visitors. When we say that every part of the United Kingdom was represented at the Melbourne International Exhibition, we have said all that need be said to show how intensely anxious the manufacturers and producers of that country were to see it made a success. They sent more goods to it, and goods of a much finer quality, than they sent to the Philadelphia Exhibition of 1876, and the collection was, consequently, of a more diversified and of a much superior character. In the nave of the main building the glassware of Messrs. Thomas Webb and Co., of Stourbridge, was the most noticeable exhibit. There were also interesting specimens to be seen there of porcelain ware, electro-plate goods, furniture, models of steamships, and perfumery. The great bulk of the British exhibits were to be found in the central annexe—pottery, upholstery, chemicals, hardware, carpets, softgoods, paperhangings, stationery, carriages, leather goods, liquids, stoves, weighing-machines, all grouped into classes. In noticing the exhibits in this court we must disregard to some extent the order in which they were placed, and take them as they arise.

BOOKS, STATIONERY, AND SCHOOL APPLIANCES.

A large strip of this court was occupied by books in glass cases and on shelves, by maps on partitions, by great wraps of newspaper in rolls, by pens laid out in circles and diamonds on tables, and by packets of envelopes and notepaper. Blackie and Son, of Edinburgh, exhibited, as specimens of their lithography, portraits of public men, among which those of Daniel O'Connell and Sir Charles Gavan Duffy were, perhaps, the most noticeable. William Collins and Sons, of London and Edinburgh, exhibited rich bound Bibles provided with metal clasps, memorandum-books, diaries, and a large and varied collection of school books. W. and A. K. Johnston, of London, covered the inner and outer walls of a tall screen with maps, and they also showed charts of the stars and illustrations of the elementary facts in physiology. W. and R. Chambers, of Edinburgh, had a large collection of educational works, as also had Gall, Inglis and Co., of Edinburgh; and S. W. Partridge, of London, was well represented in that class of literature. A. N. Myers and Co., of London, showed school appliances, toys, and models; C. Smith and Son, of London, globes and maps; Ward, Lock and Co., of London, cheap and popular editions of much read books; and Trübner and Co., of London, bookcases, mounted on castors. Music in books and in sheets was exhibited by Weekes and Co., of London; and in the front building of the court Augener and Co., of London, had a case of music books and music holders.

The British and Foreign Bible Society took a conspicuous place among this class of exhibitors. In reference to this, the *Argus* said:—"An octagon standing near the line dividing Great Britain from France, in the British book and stationery department, central annexe, contains a remarkable collection of volumes. The Bible and portions of the Bible are here displayed in no less than 133 dialects. Some of the nations for whom these translations were made have been obliterated in the march of civilisation. These books remain as probably the only literary production in which the language is preserved. Some are in the most ancient and enduring dialects, which, having a living literature, independent of philanthropic assistance, live and may continue to live for centuries, as long as the human race endures. The lingual peculiarities of the most refined and most barbarous nations are here—English, French, German, Italian, Spanish, Greek, Hebrew, Russ, Syriac, Arabic, Persian, Hindostanee, Chinese—languages refined and altered to modern taste and uses, side by side with others that have for ages been in service to the human race, and still seem to have as vigorous a hold on the affection, sentiments, or habits of those to whom they are vernacular as they ever possessed. The institution to which this exhibit belongs is composed of a committee of 36 laymen, six of whom are foreigners resident in London, 15 of the remainder are Church of England men, the other 15 are members of what are known as the Evangelical denominations. The president is the Earl of Shaftesbury, and among a host of archbishops, bishops, and magnates, Dr. Moorhouse, of Melbourne, figures as a vice-president. The head office of the British and Foreign Bible Society is at 146 Queen-street, London, E.C. The Victorian Auxiliary

is at No. 17 Swanston-street. The home work accomplished in England has been the dissemination of 43 millions of copies of the sacred Scriptures. These range from the portly folio, furnished with the legal family register, down to such a minute and inexpensive testament as may be purchased for twopence and carried in the waistcoat pocket. In Wales the Cymric love of the old tongue has been enlisted in favour of the Bible, and over two millions of copies have been circulated since 1802, at which time the idea of the society was first conceived and developed, as a means of supplying the Welsh with the sacred Scriptures. The Rev. Thomas Charles, of Bala, was the originator, but the suggestion of the Rev. Joseph Hughes, 'That if for Wales, why not for the empire?—why not for the world?' was the basis of one of the mightiest efforts ever made for the dissemination of class knowledge." During the first four years of the society's existence it issued a little over 81,000 copies, but in 1878-79 it issued 3,350,000.

Stationery was exhibited in this court in great abundance and in every variety. Peebles and Son, of London; Spicer Brothers, of London; Monckton and Son, of the Basted Mills, Kent; G. F. Busbridge and Co., of Kent; Hudson and Kearns, of London; T. H. Saunders and Co., of London; and a score of others, had specimens of their wares there, from webs of newspaper over three miles long down to the smallest notepaper, from the thickest cardboard down to the finest and thinnest tissue. Pens of all sorts and sizes were to be seen. Joseph Gillott, of Birmingham, showed a great variety of nibs, magnum bonums, also monster barrels coloured in imitation of the shards of beetles or skins of caterpillars; Perry and Co. Limited, of the same place, displayed pens and penholders, plain and fanciful; and B. S. Cohen, of London, exhibited pencils and pencil-cases. Among other things, also, the following were exhibited:—Bailey Bros., of London, showed stencil-plates, stamp printers, and inks; Cooper and Co., of London, inks, quills, parchments, and tags; M. A. Bond and Co., London, marking inks; H. Erhardt and Co., London, tinfoil paper; G. Waterston and Sons, London, wax, red and black, with specimen bottle seals; Unwin Bros., specimens on lithography and engraved work.

CHINA, PORCELAIN, POTTERY, AND EARTHENWARE.

No English maker of first rank in this description of goods was unrepresented at the Exhibition, and the exhibitors were assigned a place, for the most part, in the central avenue. Only a short time ago Continental porcelain used to take the first place in this description of wares, but that condition of things is now most unmistakably reversed. Much of Mintons' china, and all the earthenware, as well as illustrated tiles for fireplaces and dados, were arranged on stands and upon shelves; but their art-porcelain was for the most part protected by glass. Their factory is at Stoke-on-Trent, and an enormous quantity of ceramic ware is now made there, under the superintendence and direction of Mr. Arnoux, their manager, supported by about 1800 artists and workmen. Their collection of porcelain and earthenware exhibited commanded great attention, and one portion of it was thus referred to by the press:—"In the Mintons' collection there is a copy of a candelabrum of rare merit, and said to be worth £400. All the colours—chocolate, black, &c.—have been inlaid on a buff ground. The harmonious effect is due to the employment of clays as naturally coloured. The designs are minute, and yet very neatly executed. Persian ware, of which numerous examples are shown on the stand in the middle of the space, may be noted for the sake of its glaze. The body takes a soft glaze of a rich colour, which would not stand on other ware, and the ground resembles porcelain. This central stand is chiefly occupied with majolicas or Palissy ware, coated with a coloured transparent or opaque enamel, revived by the Mintons about thirty years ago. The noticeable objects are life-size peacocks, storks, and herons, intended to ornament gardens and greenhouses." Their vases were exceedingly beautiful, and on other articles the decorations were very artistic and chaste. Next to Mintons' collection, in the central annexe, was Wedgwood's, the famous potter of the last century, whose name is a household word, and whose former business is now carried on by his grandnephews. Wedgwood is well known as the restorer of the famous Portland vase, destroyed by a madman in the earlier part of this century, but put together again; but he is better known, perhaps, by what he called his jasper work; and best of all, undoubtedly, by his modern earthenware, which was exhibited on the shelves in the central avenue in great variety. Messrs. W. Brownfield and Co. showed a large collection of china, majolica, earthenware, stoneware, and parian in the central avenue, and several large vases of diverse shapes, with different body colours and various styles of decoration. Messrs. Brown-Westhead, Moore and Co. had two very large pieces, one of which consisted of a group of tigers, moulded in a single piece, with the colouring faithful to nature; and the other a blue and white candelabra, standing nearly five feet high, and bearing half a dozen globes. This firm also exhibited vases in a great variety of forms, and with a wide range of decoration. Messrs. Pinder, Bourne and Co. had a large exhibit facing the central avenue, the members of this firm priding themselves, as they do, on the fact of the subdued and neutral colours which prevail in their goods, being most in keeping with the approved modern style of the decorative art.

The exhibits of Messrs. Doulton and Co., of the Lambeth Art Potteries, London, were of almost endless variety, and comparatively new in the development of the ceramic art. For a time this firm confined themselves to the manufacture of salt-glazed stoneware, such as is employed for drain-pipes and various kinds of chemical vessels; but their operations have since been largely extended, and they now employ at their different factories 2000 hands, and turn out 15,000 miles of drain-pipes per annum. They also manufacture other wares, in addition to pipes, now known as Doulton ware, which is largely used in hospitals and for purposes of architectural decoration. So far as the exhibits of this firm went, they were in the highest degree satisfactory, but they could not, within the limited space at their disposal, show, on a large scale, the adaptability of their wares to architectural and other purposes. We are told, however, that there are large edifices in the streets of London of which the façades and interiors are "decorated almost exclusively with their terra-cotta enamelled bricks and tiles. The terra-cotta is said to be more durable than marble, while its weight and cost are about a third of the latter. Combinations of this material with Doulton ware have been employed with excellent effect for pulpits, &c., in churches, the terra-cotta ware forming the general body, while the Doulton ware is used for panels, balustrades, pilasters, &c., and thus variety and richness of ornamentation are produced. The terra-cotta ware is of two colours—reddish and light buff—and is well adapted for many styles of architectural work."

IRON, STEEL, AND HARDWARE.

In the central annexe, not far from the western tramway entrance, were exhibits of iron and steel, and of hardware of different kinds, from the English ironmasters and manufacturers, of which the following is a summarised list:—Hingley and Sons, of the Netherton Ironworks, Dudley, had an important exhibit of best bar, tee, angle, and rivet iron; also, a series of chains, ranging downwards from one made of 4-inch rod, capable of supporting some hundreds of tons. The West Cumberland Iron and Steel Co., of Workington, exhibited specimens of steel, which, when tested, gave a tenacity of 34 tons to the square inch, and an ultimate elongation of 25 per cent; as also specimens of castings, made directly from the Bessemer converter; and of ores, slag, pig iron, coke, and rails. R. Johnston and Nephew, of Manchester, had a weldless wire rod, No. 4 gauge, 1½ inches long, weighing 12 cwt. 3 qrs. 20 lbs.; and galvanised wire cord for rigging, and barbed fencing-wire, with small projecting spikes. Ash and Lacy, of Birmingham, showed specimens of the Owl galvanised iron, of various kinds; and F. N. Muntz and Co., of West Bromwich, plates, bolts, spikes, and nails of Muntz metal for shipping purposes. The Patent Shaft and Axle Co. Limited, Wednesbury, exhibited chequered iron plates for floorings, railway wheels, with wooden centres, and cast steel tires and axles, bent cold by hydraulic pressure. Messrs. Lloyd and Lloyd, of Birmingham, had wrought-iron tubes, almost large enough to make the outside shell of a portable engine down to a comparatively moderate size. There were, also, other exhibitors, all with their specialties, and all deserving alike of notice.

Scales and weighbridges have become of great importance since the introduction of the railway system, and a great variety of these were to be seen at the Melbourne Exhibition, some of a very large size. Messrs. Pooley and Sons were noted manufacturers of weighing-machines of great capacity, so constructed as to allow of the safe passage of heavy goods engines up to 40 tons over them. Samples of these were shown at the Melbourne Exhibition, and attracted much attention. Messrs. W. and T. Avery, of Birmingham, had a fine collection of scales in the central annexe, and a show of weighbridges outside, at the north end of the eastern machinery annexe. One of these shown out of doors had a capacity of eight tons. It was constructed entirely of iron, with the view of getting rid of the objection which some people have to timber. The platform consisted of a number of small plates, the largest of which did not exceed 3 cwt. in weight. The plates were supported on wrought-iron girders. The levers were of cast-iron, strongly trussed with wrought-iron, and were so arranged that there was very little rock to the platform when a cart or waggon was drawn on. The platform and levers were contained in a pit only 26-inches deep. The steelyard beam was covered over, to protect it from the weather. Weights were dispensed with, there being a counterpoise in three parts, to mark half-tons, quarters, and pounds. The poise cannot be moved without first pressing a spring to lift the knife edge out of the notch and keep it clear of the beam, to prevent wear. For weighing gold and other precious materials scales and weights were shown, some weighing to within the 1000th part of a grain.

Birmingham and Sheffield are noted for their hardware, and they were well represented at the Exhibition in this line. Thomas Pemberton and Sons, of Birmingham, had a fine collection of brass and bronze knockers, and finger-plates with door-handles and bell-pulls. James Cartland and Sons, of Birmingham, exhibited almost every kind of builders' and architects' brass foundry, adapted for all styles of architecture. John Walker, of Birmingham, showed some novelties in locks and lock furniture, notably his "Triumph Guard" and an improved sash fastener, "The Paragon." R. and C. Harcourt, of Birmingham, had, as specialties, patent self-adjusting lock furniture; and Chatwood, of Bolton, exhibited specimens of his "Invincible" lock in all sizes.

T. and C. Clark, of Wolverhampton, had a very fine collection of holloware, both tinned and enamelled, for household purposes; and Archibald Kenrick and Sons, of West Bromwich, had one of the same kind, with nickel-plated ware and bronze. In furnishing ironmongery, George Wright and Co., W. Cubit and Co., and Morgan and Waide, all of Rotherham; B. Parkes and Sons, of Dudley; and Steele and Garland, of Sheffield, exhibited a great variety of articles. Musgrave and Co., of London and Belfast, exhibited ten of their slow combustion stoves and air warmers; and Harris, of Birmingham, two specimens of the eagle grill stove, a small cooking range. In Sheffield cutlery there was no end of exhibits, and they were as excellent as they were numerous. Among the exhibitors of these kinds of goods John Rodgers and Co. and George Wostenholm and Son must be mentioned.

Guns, rifles, pistols, revolvers, and other sporting equipments were shown by about ten different manufacturers, most of whom have acquired a world-wide reputation. Sporting guns to the value of £50, Martini-Henry rifles, hammerless "breech-loaders," and the "furniture" gun, were among the number, and all were of the best description. There were also gun wads, cartridges, and gunpowder, from Eley Brothers and John Hall, of London; and the Kennall Gunpowder Co., of Penrhyn, Cornwall, exhibited goods of this description.

COTTONS, LINENS, WOOLLENS, AND FELTS.

An excellent display of cotton and linen goods was made by the Manchester, Belfast, and Paisley houses. John Haslam and Co., of Bolton, exhibited, at the intersection of the avenue, brocades, satteens, velveteens, checks, striped, grey, and white shirtings, longcloths, twills, muslins, cambrics, and lawns. W. Crum and Co., of Manchester, had, on the other side of the cross avenue, an interesting display of prints, percales, satteens, and fancy cloths; and Crewdson, Crosses and Co., also of Manchester, showed calicoes, comprising heavy mediums, double warps, longcloths, sheeting, and twills. Booth and Fox, of London; Ferguson Brothers, of Carlisle; E. Harrison and Co., of Bolton; Johnston and Fildes, of Manchester; and Swainson, Birley and Co., of Preston, were also represented. Barbour and Sons, threadspinners, of Lisburn, occupied a frontage to the central avenue; and a great majority of the linens were grouped with Manchester and Yorkshire fabrics on the opposite side of the court, on the way to the western machinery-hall. The prominent threadspinners, besides Barbour and Sons, were T. Ainsworth, of Whitehaven; J. Harris and Sons, of Cockermouth; and Marshall and Co., of Leeds. A fine assortment of linens was exhibited by the Bessbrook Spinning Co., of Armagh. Special attention was invited by this firm to the power-loom damask cloth, on which were to be found illustrations of La Fontaine's fables, after Gustave Doré. Sheetings, plain linens, towellings, handkerchiefs, and drills, constituted their leading lines. Bessbrook is described as a model village, without drinking places or pawnshops.

The woollen trade was not so well represented as was expected, and the exhibits generally were so placed as not to afford a proper view of them. There was, notwithstanding, a tolerable collection of West of England cloths, although a deficiency in the quantity of the Yorkshire goods, as also in their variety. Scotch tweeds were only represented by one firm; and the Irish manufacture was restricted to one exhibitor only. Flannels were shown by one firm only, and the finer classes of merinos, adapted for ladies dresses, were conspicuous by their absence. William Bliss and Son, of Chipping Norton, were more largely represented than any other firm, but their goods were evidently made more for wear than show. Randall and May, of London, sent a few samples of their drab West of England quorn cloths, very strong, wiry, and closely-woven, well fitted for hunting suits and trousers. Stanton and Son, of Stroud, had some good grey and drab hairline tweeds, heavy Meltons and coatings, heavy drab Dover or box cloth, black and blue broadcloths, and coloured billiard and livery cloths. The only Scotch firm that exhibited was Hogg Brothers, of Selkirk, and they sent a very fair sample of their Cheviot tweeds. Mahony Brothers, of the Blarney Factory, Cork, sent a sample of their tweeds, some of them really good, especially those in dark colours. George Lawton and Sons, of Mossley, Manchester, sent a good collection of plain and fancy Saxony shirtings, and of cricketing flannels.

In felts, the only things to be noticed were the hats made of that material which was exhibited in the frontages to the north avenue. The exhibitors were Christy and Co., Lincoln, Bennett and Co., and Hargroves and Co., all of London; and their felt hats were intended for wear in a warm climate like this, having high crowns and good broad brims. Other felt manufactures exhibited call for no separate notice.

FURNITURE, CARPETS, AND PICTURES.

The largest assortment of furniture was shown in the north transept, near the entrance to the central annexe, by William Walker and Sons, of London. This firm had their allotment fitted up in the early English style, with furniture and decorations of the most recherché kind, and all so arranged as to admit of the closest inspection. Messrs. Conrath and Sons, of London, had their allotment fitted up in the same manner, with furniture and decorations in the early English, Queen Anne, and Chippendale styles. Specimens of tapestries and silks

were to be met with in rich variety, and, though usually kept in one of the cabinets, could be inspected at any time by visitors. Messrs. A. J. Arrowsmith and Co., of Bond-street, London, also had some novelties in the furniture line—a suite of oak, parts of which were richly carved, and a suite in walnut and olive. But their speciality was parquetry flooring, and they showed many specimens of the designs of this which they had used in the decoration of public buildings, like the Royal Academy, Burlington Gardens. For this purpose every kind of wood is employed; but pear-tree, mahogany, teak, sycamore, and oak were those chiefly used, and the effect was very pleasing. The Huon Chair Co., of Lancaster, had an assortment of their furniture in the main building, which was varied and interesting.

There was a very extensive assortment of carpets, twenty-five manufacturers having sent in exhibits, Kidderminster and Axminster, Halifax, Glasgow, Edinburgh, Kilmarnock, Rochdale, Sheffield, and Huddersfield being well represented. The whole of the wall space of the United Kingdom Court, and a portion of the wall space of the Victoria Court, were utilised for the purpose of exhibiting these articles; and they showed the vast strides this industry has made of late years in Great Britain. Messrs. M. Whittall and Co., of Kidderminster, had a very large selection of velvet-pile and Brussels carpets, among which were to be seen many in the higher styles, such as Persian, Japanese, Indian, mediæval, and mosaic. One very handsome velvet-pile carpet for a drawingroom had a panel pattern, coloured specially for Australian use, the harmony in the colours and the general style of the work being well suited to this climate. Messrs. James Humphries and Sons exhibited half a dozen Brussels and Wilton carpets, the Wilton (a velvet-pile), made somewhat similarly to tapestry, admitting of a great diversity of colouring and design. Messrs. Tomkinson and Adams showed Axminster carpets woven without a seam, but for which the firm is now substituting the Royal Axminster, which is woven in breadths, and is far less expensive. Messrs. Morton and Sons had Brussels, velvet-pile, and Axminster carpets, one of their best being a fine floral pattern, in which there was a delicate treatment of the various shades of drabs, and a blending of white. Messrs. E. Webb and Sons, of Worcester, sent a novelty in the shape of a new carpet, called the "Worcester," made of horse-hair, woven, after the Brussels fashion, on a strong jute back, and is mainly intended for places in which there is constant wear and tear. Messrs. John Crossley and Sons, of Halifax had an exhibit worthy of the firm as the first to introduce the process invented for the manufacture of the best English tapestry and velvet-pile carpets. This process is now pretty well known, but it is too long to be described here. Messrs. T. Tapling and Co., of London, sent in an exhibit unique in the carpet line, in which it was sought to produce by machine-weaving work similar to the hand-woven French tapestries, and at about one-tenth of their cost. The specimen exhibited represented Christ and His apostles, and the figures were of the life size, and stood out well on a maroon ground. The colouring was rich, and the design good; but time will be required to bring this machine work up to the perfection of the hand-made Gobelin.

From furniture and carpets to pianos the distance is not, metaphorically speaking, great, and they are closely allied to each other. Pianos form as much—in fact, a part—of the make-up of every well-appointed house as furniture and carpets. In the western transept, leading to the great annexe, Messrs. Brinsmead and Sons, of London, had an exhibit of pianos, which comprised—1. A concert grand, in solid oak case, bound with brass. 2. A boudoir grand piano, in burr walnut case. 3. An overstrung oblique, in burr walnut case. 4. A centennial oblique, in burr walnut case. 5. An upright iron grand, with folding key-board, also in walnut case. 6. A model of the Brinsmead patent "perfect check repeater action" as applied to upright pianos. 7. Model of the same kind of action, combined with the action of the "tone-sustaining pedal as applied to horizontal grands." 8. Model of Messrs. Brinsmead and Sons' latest patent—namely, their "tone compensator and renovator"—together with model of their complete consolidated metal frame as applied to upright pianos. Messrs. Brinsmead and Sons have made great improvements in their pianos during the last quarter of a century, and manufacture none now but of the first class. Their exhibit was an interesting and a very important one. Messrs. Allan and Co. (as agents for the house of "Besson," of Paris, London, and New York) showed a well-furnished case containing a complete set of instruments for a military band, all of "Besson" manufacture. These consisted of helicons, bombardons, euphoniums, baritones, trombones (duplex and baby), alto and tenor horns, flügel horn, B flat cornets, E flat soprano cornets, E flat clarionets, B flat clarionets, bassoon, flutes, trumpets, bugles, and side-drums. All the instruments in this case are thickly gilt or richly electro-plated, and they are engraved by hand in fine designs. The valve actions have been made silent, so as to do away with "clicking." The whole contents of the case make a complete and very interesting collection. The well-known firm of Challen and Sons, of 20 Oxford-street, London, show four pianos of cottage and piccolo form, and a model of their "check action," which is to be found in each instrument. The quality of their instruments has been well known and approved here for many years past. They are all of admirable finish in their interior workmanship, and the cases are of strong and elegant construction, and are ornamented in the best artistic taste.

JEWELLERY, ELECTRO-PLATE WARE, AND WATCHES.

Messrs. Francati and Santamaria, of Hatton Garden, London, exhibited a large collection of shells, mosaics, and fancy jewellery, of great artistic finish; and Mr. V. Mobillo a well-selected collection of silver goods, comprising earrings, brooches, and chains, of the latest prevailing styles. Mr. S. Cranmore, of Birmingham, showed imitation jewellery, which might pass for the genuine article with many; and there were several other exhibitors of the same class of goods, all of which were excellent in their way. Messrs. Kilpatrick and Co., of London and Melbourne, had a fine collection of electro-plated ware, jewellery, and watches. Among their electro-plated ware there were handsome dinner service sets, comprising dish covers, cover dishes, soup tureens, and entrée dishes, elaborately ornamented with fern designs. Messrs. Nicoli, Nielsen and Co., of Soho-square, London, exhibited watches of the most complicated and wonderful mechanism, such as chronographs, minute-repeaters, and calendar watches. The collection of their watches, selected by Messrs. Brush and Drummond, of Melbourne, were remarkable for their excellence and variety. There were also among the exhibits keyless racing chronographs, with split seconds for timing two horses at one time in a race, and others with two observation hands, to mark respectively the minutes and seconds of a race. An ingeniously devised watch was made to strike on a gong the hours, quarters, and minutes, and to correctly indicate the time by the mere pressing of a slide without looking at the dial. Another keyless repeater was made to strike the hours, half, quarters, and half-quarters on the gong. An interesting piece of mechanism was that of the keyless hunting chronograph, with railway speed indicator, which enables a person to test the speed per hour at which a train is travelling. Mr. Victor Kullberg, of London, showed a case of chronometers and of clock works, finished in the best style. Messrs. Grimshaw and Baxter showed various articles for watchmaking, and Mr. Daniel Buckney, of London, showed a choice collection of watches of every kind.

PERFUMERY.

In the perfumery section, in the eastern nave of the main building, Messrs. J. and E. Atkinson, of London, made an effective display of perfumes, powders, soaps, and lotions of all the most highly favoured kinds. Messrs. Napoleon Price and Co., of London, had also a very large collection of perfumes, the specialty of this firm being a fine perfume manufactured from spinarosa, a South American flower of very rich fragrance, not used in the manufacture of perfumes until lately. In the northern transept Messrs. Piesse and Lubin, of London, had an exceptionally choice collection of perfumes, which have already largely come into use, and are in high favour. Other exhibitors were Messrs. Gosnell and Co., Messrs. A. and F. Peers, E. Rimmel, and the Crown Perfumery Co. All these firms sent exhibits, and they were very varied. In reference to the essential oils of Australian flowers, it has been remarked by leading perfumers that "some of them possess a sufficiently grateful fragrance to render them available for perfumery purposes. If such be the case it will be a great boon to perfumers, on account of their abundance and cheapness, for in the course of time the supply can become unlimited, and the price quoted for some of them now—namely, six shillings per gallon—is about one-fourth of the cost of the commonest essential oil used for scenting soap."

TELEGRAPHY.

In the eastern nave of the United Kingdom Court Messrs. M'Lean Bros. and Rigg, of Melbourne, had a case of telegraphic apparatus sent by Thallis and Sons, of London. Messrs. James M'Ewan and Co., of Melbourne, also had a fine collection of electric bells, made by Julius Sax, telegraph engineer, London, neatly fitted up on a stand in the east nave. These were intended for doors, offices, or hotel purposes; as also were the pneumatic bells made by C. E. Zimdars, which were exhibited on the other side of the same stand. A collection of specimens of telegraph cables was shown by the Telegraph Construction and Maintenance Co., London. It contained short lengths and transverse sections of 127 different cables made and laid down by that company between the years 1855 and 1878. The total number of miles of cable laid was 47,084. Deep-sea cables, shore ends of varying thickness, and many kinds of torpedo cables, were represented, the number of wires in the cores ranging from one to six.

LEATHER.

Although the leather industry takes third rank among the industries of the United Kingdom, only one exhibit of leather was sent to the Melbourne International Exhibition—namely, that of Messrs. P. S. Evans and Co., of the Avonside Tannery, Bristol, established nearly three-quarters of a century ago. With this exhibit there was sent a portion of the hide of a hippopotamus, which was from a little more than an inch to an inch and three-quarters thick, and which it took Messrs. Evans the full space of four years to convert into leather. On a first look at this specimen of leather it presented the appearance of a broad, thick board of mahogany, and it was very difficult to believe that it had once formed the hide of a living animal. Yet the leather thus manufactured serves a very important purpose, being

used for washers in heavy machinery, for which it commands a high price on account of its scarcity. The remainder of the exhibits of this firm consisted of sole and pump leather, for the manufacture of which they have long been famous. It is said that this arises from their never making any attempt to hasten the tanning process, but in always giving it time.

PAPERHANGINGS.

A good show of wall papers was made in the central annexe; and these have their uses in houses as much as furniture and carpets. The display of these articles was large and interesting, and the following are the names of the principal, if not the whole, of the exhibitors:—J. Allan and Son, of London; Carlisle and Clegg, of London; William Cooke, of Leeds; the Darwen Paperstaining Co., of Lancashire; Heywood, Higginbottom, Smith and Co., of Manchester; Jeffrey and Co., of Islington, London; C. and J. B. Potter, of Darwen, Lancashire; W. Woollams and Co., of London; Wylie and Lochhead, of Glasgow; Scott, Cuthbertson and Co., of London; and Brooks, Robinson and Co., of London and Melbourne. Some of the patterns were very beautiful, and their styles were, as in the case of carpets, much diversified. In both the object of the artists appears to have been to please, and not fatigue, the eye.

THE BRITISH INDIA COURT.

The Indian Empire was more fully represented at the Melbourne International Exhibition than at any previous one. Great pains were taken by the Indian Government, to which the success of the undertaking was mainly due, in selecting articles illustrative of the arts peculiar to every part of the country, which were, in many cases, of ancient origin and of excellent workmanship. One of the striking objects in this court was a show-case made of deodar wood, and carved in the style adopted by artisans of the North-West Provinces. It showed the architectural mode of ornamentation used by the Delhi natives in building. A drawingroom cabinet by Deschampes, of Madras, attracted considerable notice. It was made of the finest mahogany, with cunningly carved figures, illustrative of Hindu mythology, in sandalwood, in high relief. The carving was perfectly executed, and reflected the greatest credit on the Hindu workmen; and the sandalwood filled the court with its perfume. The display of furniture was very creditable. Several suites were made of blackwood, the backs of the sofas being a mass of foliage carving, done in fretwork. There were some unique specimens of marble-top tables. The flowers had every appearance of being painted on them, but on looking closely into them they were found to be inlaid with jasper, agate, and blood-stones. Carpets of every size and texture were hung on the walls. Most of those exhibited in Melbourne were from Mirzapur, Jhansie, Agra, Basti, Allahabad, and some parts of Southern India, and were of gaol manufacture.

The brass work in the Indian Court was awarded first prize at the Melbourne Exhibition. It consisted chiefly of large dishes and water jugs, brightly burnished, and engraved with floral subjects, or embossed with mythological characters. Pottery, which existed in India three thousand years ago, was well represented. The designs were quaint and of ancient Eastern design, as neither models, colours, nor the mode of manufacture have undergone any change since the invention of the potter's wheel. Jewellery and silverware formed a conspicuous feature in the court. The Indian work is renowned for its delicacy and superior workmanship. The Delhi filagree jewellery was marvellously fine. Another pattern was the "Swanie," now become popular in England. A good many specimens of the silverwork from Cuttack and Trichinopoly were exhibited. In one of the show-cases were silver tea and coffee services, some of which were chased, others being in repoussé work, covered with floral decorations. Chinna Veeranna's exhibit of fancy articles from Vizagapatam was very beautiful, every object being of his own handiwork. There were boxes of bison-horn and of sandalwood, finely carved, and ivory bracelets, and buttons, and card cases.

Other ivory goods came from the North-West Provinces, of Hindu goods, elephants with howdahs, Ganges boats with crews, native carts with bullocks, &c. One article deserving of special mention was a pair of elephant's tusks, heavily mounted in gold. There were a great many curiosities in the Indian Court—representations of the casts and trades of the people, musical instruments of every kind, old coins, a statuette of the god Dhurga, half a man and half an elephant in pure white marble, and a model of the Taj, at Agra. The Indian Government sent a great variety of shawls, from the plainest cashmere to the celebrated Rampore chudda; one of which, in particular, was made of the finest under-wool of the cashmere goat, and beautifully embroidered, which, though of a large size, could be easily passed through a lady's ring when folded up. These shawls are of such even quality that, although very fine and delicate, they look as good after they have been worn for fifteen years as on the first day. The Indian silks exhibited were mostly of Oriental patterns without any of the usual

European gloss, and therefore are far more durable, as no injurious substance is introduced in their manufacture. There were slippers, caps, and babies' hoods, elaborately embroidered; indeed, the display of the different embroideries, and of the net or muslin having beetles' wings worked on it with threads of gold, was most effective.

The grass mats, some of which were made of a fine kind which only grows in one spot in India, must also be mentioned. The kus-kus mats are made of the *Andropogon muricatum*, and are hung before doors and windows, when, if kept constantly wet, the hot air wafted through them diffuses a perfumed odour from their fragrant roots, and keeps the temperature cool, though it may be burning hot outside. Cotton is largely exported from India, and was exhibited in every form up to the finest cloth. The jute plant, as well as the fibre, the yarn, and the woolsacks so much patronised in Australia, were also shown. Coffee brings in a mine of wealth to the Government and planters in India, thousands of acres being cultivated with this valuable plant. Endless specimens of coffee beans were to be seen. The *Trichinopoly cheroot* is well known, and there were some very good samples exhibited.

Tea is at the present moment a very important export from the Indian market. The Tea Syndicate of India have been making great efforts to open a market in Melbourne for Indian teas, and Mr. Cosmo Newbery, who has analysed them, pronounces their strength and aroma to be better than those of the Chinese article. There were rows of bottles in the Indian Court containing different kinds of teas; moreover, in order to give visitors the opportunity of judging of their merits, the Commissioners dispensed cups of tea every afternoon in a pavilion adjoining the Indian Court. Preserves and pickles, arrowroot, and gums and oils were exhibited. B. H. Baden-Powell contributed samples of the hazel, oak, ash, box, maple, pine, common yew, elm, cedar, walnut, olive, and other forest woods. The curator of the Nagpur Museum sent sandstones, different limestones, samples of coal, soapstone, fine slabs of marble, sixteen specimens of quartz crystals and slates, manganese ore, iron ores, fire-clays, and one small basalt slate from the Wardha district. The Bombay Committee forwarded decorative arms, as used by the Hindus, and a collection of toys. From Bengal came a large variety of painted clay figures. Bourne and Shepherd, from Calcutta, sent albums of photographs of Indian scenery, buildings, and characters.

Major-General J. T. Walker, R.E., F.R.S., Surveyor-General, exhibited maps, plans, and charts, on various scales, of different parts of India. In the grounds of the Exhibition was a Burmese thain or chapel of carved teak-wood. The carving was very elaborate, and the light, graceful erection was a great ornament to the gardens. Besides this exhibit, the Government of British Burmah sent Arakan tobacco, both in the leaf and in its manufactured state, with some samples of Arakan tea.

CAPE COLONY, SOUTH AFRICA.

The Cape sent water-colour drawings, chromos, and photographs of the scenery and natives. There was a collection of Zulu and other weapons and ornaments, amongst the former being assegais and spears. Furs and skins of the bok were exhibited, and a case of ostrich feathers, which was a curiosity, owing to the birds having been artificially hatched and reared on the estate of Mr. Arthur Douglass, of Hetherton Tower, Graham Town. Various samples of South African wines were shown, and some of Bosenberge's Cape brandy. There was a very ingenious improved hydropult for cleansing and watering plants and extinguishing fires. But the most noticeable exhibit from the Cape was a magnificent set of hunting trophies of elephants, lions, antelopes, and other animals killed in Central Africa by Messrs. Chirnside and King-Hall. The tusks of elephants and horns of different animals were mounted very handsomely in silver. Two tusks of enormous size, containing valuable ivory, were mounted so as to form the framework of a mirror, whilst others were designed in various shapes, some supporting candle sockets, others again containing flower vases, one little horn being the *point d'appui* for a toast-rack and egg-stand combined.

THE CEYLON COURT.

First and foremost amongst the natural products of Ceylon must be reckoned the cinnamon. The show of samples sent to the Melbourne International Exhibition was unrivalled, and better than any that had been exhibited before in any part of the world, the best being J. F. Driberg's and Rajapakse's.

The next staple article of export was coffee. For many years Ceylon has commanded the coffee market at Mincing Lane, and though, where a small sample is in request, it would be very possible to find finer specimens, no other country in the world can compete with Ceylon as to quality when it is a question of purchasing it in very large quantities. The value of the capital invested in coffee-growing is estimated at about nine millions sterling.

The little round peaberry coffee bean is the most expensive. This is occasioned by its rarity. It is considered a bad sign when a plantation gives a large average of peaberry coffee, as it shows that the trees are in an exhausted state. The berry presents a cherry-like appearance when ripe, of which so-called cherry-coffee there were samples in the Exhibition. A new variety has very lately been introduced into Ceylon by a planter who recognised the plant growing in a wild state in the bush in Siberia. This bean is very large, and is said to be of a superior kind, equal to the finest Mocha. Two or three samples of this kind were shown. Owing to the terrible disease which ravaged the leaves of the coffee-tree, and ruined so many planters, their attention was turned in another direction, and a large and constantly growing cinchona and tea cultivation resulted. In 1878 the amount of tea exported was 1000 lbs., whereas in 1880 it amounted to 1,000,000 lbs. The first sample of Ceylon tea was shown at the London Exhibition of 1851, when, to the amazement of the planter, who merely sent it as an experiment, it fetched the highest price and took the first prize. Cinchona bark was the next staple in value, one acre of five-year-old trees fetching from five to six hundred pounds. The export for this year will, it is estimated, amount to about £1,200,000.

The largest cultivation on the island is that of rice, yet as there is not sufficient grown for home consumption, it has to be very largely imported. Ceylon is the land of spices. The cardamum, a very strong spice, is much favoured by Spaniards. Sticks of vanilla were exhibited. One bottle was filled with Sang Lottans (*semecarpus* sp.,) vulgarly called dhobies' nuts, which contain a thick black ink, used by native washerwomen for marking the clothes, and which is so good a dye that no boiling water will remove it. Many different nuts, with their extracted oils, were exhibited. Such were the citronella scented oil, the cocoanut oil (one bottle of which was thirty-five years old, supposed to be a cure for rheumatism). Besides these were bottles of castor oil, gingelly, &c. The cocoanut and palm trees were also represented; the former grows principally in the south, and the palmyra in the north; the fanankay or palmyra fruit taking the place of the cocoanut, being about the same in appearance.

Amongst the manufactured products were coils of coir rope. When a ship is at anchor in a heavy sea, a spring of coir rope over the cable will keep the vessel safe when the chain alone would sink her, the rope stretching so much that the strain is removed. There was a very curious black coral tree, which had been fished off the coast of Ceylon in thirty-two fathoms of water. It had more the appearance of petrified seaweed than of anything else, not being the work of the coral polyp. The Ceylon Government sent models of canoes and kattamarans, and of bullock carts, agricultural implements, &c. Two adzes of especial interest were exhibited. The adzes are most delicately inlaid with lines of silver. Under the head of minerals were exhibited numerous specimens of plumbago, which is the only ore of commercial importance exported from Ceylon. It is used for smelting purposes, to which use it is principally devoted, as it resists the action of fire better than any other known substance except asbestos. In 1878 84,635 cwt. were exported, at a value of £160,000.

The Government agent at Candy sent a variety of ancient Kandyan pottery, obtained as loot. There were several curiosities in the court, the most valuable being ornaments worn by some Kandyan ladies of high rank, and which were heirlooms that had been preserved for generations in the family of the chief. It was with great difficulty that their owners were prevailed on to lend them, and they were very heavily insured. The Kandyan drawings were very curious. They were representations of goddesses, which, being intertwined, formed drawings of elephants, vases, &c.

Eighteen carved figures were exhibited, representing different natives of Ceylon. There was the astronomer, the climber of trees, the elephant keeper, the lascoreen (soldier), the dhobie (washerman), &c. There were two skulls of Ceylon elephants, and some deer horns from Colombo.

The elephants' tusks were very fine, and there were numerous pieces of teeth. There are only four of these to every elephant, and they are of great size and strength.

Most people are acquainted with the Ceylon jewellery, from the P. and O. ships making Galle their port of call; and many have been taken in by the wonderful spurious imitations not only of sapphires and other precious stones, but even of tortoiseshell. One man, who makes the best imitation jewellery perhaps in the world, has made his fortune by the sale of it. There were uncut sapphires, cat's eyes, moonstones, aqua marina, topaz, and rubies exhibited. Emeralds are not found in Ceylon. The pearls were not so large as some of those found on our own coast, but the lustre was more brilliant. Some of these were preserved in boxes made of porcupine quills. There were some handsome tiger and cheetah claw ornaments, and the gold and silver chiselling was exquisite, the Cingalese goldsmiths being able to produce most beautiful work with the simplest appliances. The jewellery comprised bracelets, lockets, rings, and earrings.

The Ceylon furniture was represented by elaborately carved sofa, table, and chairs, in ebony. They were very heavy, and the carving of the hardwood was beautifully executed. Of textile fabrics may be mentioned some Kandyan cloth, pieces of chettadai, and samples spun cotton.

Ceylon lace is very durable, some of the patterns being very pretty, and it has the advantage of being inexpensive.

Next must be mentioned the collection of books, Cingalese ola books, statistical reports, newspapers, and blue books; and the wonderful collection of photographs, which our photographers declared to be unrivalled. There were two albums containing photographs of ancient ruined cities in the interior of the island. One of these was Pollonnaruwa. The ancient buildings were beautifully sculptured, and the corners and edges of walls and stairs were as well defined and cleanly cut as though they had been finished yesterday. Another ancient city was Anuradhapura, the walls of which extended sixteen miles on every side. There was a photograph of the sacred tree, Bo—a banyan which was planted B.C. 288. Another represented a newly discovered pavilion, having at the bottom of the staircase a sculptured semi-circular moonstone, which is by far the finest that has ever been discovered. It is seven and a-half feet across, and was buried for centuries, but is now restored in a perfect condition.

The maps of the hill country, of the railway from Colombo to Kandy, and of the geology of the island were very interesting. There are several lakes on the island, and all are artificial, one being thirty miles across.

In the centre of the court was a dagoba or Cingalese temple, answering to the pagodas of Burmah.

JAMAICA.

Samples of sugar and cigars were shown from this island, together with some fine mountain coffee. A stand of bottles, filled with rum distilled at Kingston, gave evidence that the product by which Jamaica is best known in Australia is still produced in large quantities.

THE MAURITIUS COURT.

The total area of the Mauritius is only 708 square miles, and yet the population in 1879 amounted to 357,339. The most important of its exports is sugar, this small island containing three hundred sugar estates, the largest employing nearly a thousand labourers. At the entrance of the court was a handsome trophy of sugars of different kinds, in large glass jars. Rum is another important export, and was represented by S. Baker and Co. and H. Martin; whilst vanilla, which is largely produced, was displayed in bundles by several growers. There were large jars of cocoanut oil, which ranks next to rum in value of the amount exported, besides being in great demand amongst the Indian labourers. Of alimentary products there were as well some samples of tapioca, coffee, cloves, and honey. Mrs. C. Pipon sent some arrowroot fecula, prepared without indigo blue; and E. Baya contributed manioc fecula, which is said to be the only starch they use in the colony. The manufacture of the fibre of the aloe, *fourcraja gigantea*, which is exported under the name of "Mauritius hemp," is one of the most rising industries in the Mauritius. It is prepared by island-made machinery, which destroys so large a quantity during the process of manufacture that the Government have offered a prize of 2500 rupees for a more perfect machine, hoping by that means to spur on the industry. The largest trophy in the court consisted of fibres from Mauritian plants and coils of ropes made up from these. This was sent by the acting-director of the botanical gardens at Pt. Louis, Mr. N. Cantley. There was also a special bale of fibres of the aloe. Timber was represented by a fine collection of at least forty samples, and a few colonial chairs, the seats of which were made of the vacoa leaves. Some of the nuts of the *Coccoloba* palm were exhibited, which were curiously shaped like a double cocoa-nut. There were two exhibitors of cigars and tobacco, and beeswax occupied a place on the shelves. On entering this little court, a large case to the right attracted the visitors' notice, containing specimens of natural history, some of which were strange-looking fish and molluscs. The corals and madrepores were very beautiful. Paintings in oils and water-colours, and capital photographs, descriptive of the lovely scenery, adorned the walls, and several books and plans and maps printed in the island completed the display.

STRAITS SETTLEMENTS.

This little court was one of the least attractive in outward appearance of any in the Exhibition, though very instructive to those who cared to study the capacities and progress of Singapore. Considering how close this British colony is to Australia, the people of the great continent must of necessity take an interest in her welfare; and no one can help admiring the wonderful strides that Singapore has made within the last few years, till she numbers 120,000 inhabitants, and is called the Alexandria of the Eastern seas. Immediately to the right, on entering the court, was a case of ornaments sent by the Sultan of Selangor. These included

His Highness's belt, to which were hung the scabbard of his kriss, his tobacco-box, and his betel-box. They were all of native gold, and the workmanship was a credit to the native workmen. Some real cloth-of-gold, intended for a sultana, was exhibited in the same case, and along the partition at the side of the court were hung different handsomely ornamented sleeping mats, such as are used by the rajahs. The Malay, both men and women, wears for his covering what is called a "sarong," and the rank of the wearer is determined by the quality of the material of which this is made. Several "sarongs," in different materials, were exhibited, as also some of the silken trousers worn by the Achinese, a Sumatran tribe. There was an old silk coverlet made one hundred and fifty years ago, and a silk and gold thread shawl, from a loom at Selangor, thirty years old.

Mahomed Syed Inche sent one of the gold and silk necklaces worn by the children at Singapore, and a wrought silver knife scabbard, such as the Malay youths wear on their wedding day. Against the wall at the end of the "Straits" Court was a fine array of weapons used by Malays and by natives of Borneo, Java, Sumatra, and the Eastern Archipelago. A sheaf of Malay spears was arranged in the centre, but these weapons are hardly ever used now by the different tribes. They kill game with the blow-tube and the dart, and their enemies with the short dagger called the "kriss." A very interesting collection of models of native boats and shipping was exhibited, including some well-built Chinese canoes, a very skilfully devised pirate's prahu, trading junks, and other samples of Malay boat-building. N. P. Trevenen, Malacca, sent a very antiquated model of a native plough, and the Straits Settlements Government different models of Malay houses, all of which are raised from the earth and built on piles, the windows appearing to be merely narrow slits in the sides of the house. A collection of photographs, sent by the Government, gave one a good idea of different parts of the Settlements. There were two or three beautifully carved ivory ornaments set in ebony richly carved, and some baskets made of vegetable fibre, besides an exhibit of native musical instruments from the Maharajah of Johar. J. Fisher, of Singapore, sent different essential oils, such as citronella and expressed oil of mace. Amongst the special products of the Malay Archipelago are guttapercha, gums, indiarubber, mace, cloves, nutmegs, pepper, edible birds' nests, yams, seaweed jelly, teel seed, vegetable tallow, betel nut, and a similar product called "gambier." The guttapercha was very well represented by numerous exhibits, and there were beautiful copal gums, both light and dark, and leaves of isinglass. Copra was also shown, and a high erection in the middle of the court consisted of every variety of wood specimens, some of them being very valuable for commercial purposes.

Rice, tapioca, paddy, and sago were shown, and preserved fruits, of various kinds. Tea, coffee, and rum, which are also products of Malaya, were only represented by two or three samples. Several large and curiously marked pieces of tin splash, as well as a collection of tin ores, showed the natural resources of the country. The natives in the interior are too fierce to allow Europeans to carry off the gold which exists there. The natives are learning to utilise the tin raised from the mines, and convert it into domestic articles. Some of these exhibited in the court of the Straits Settlements were very nicely carved.

FIJI COURT.

Although the space allotted to the Fiji exhibits was very small, it was conspicuous for its unique arrangements, and many visitors were attracted to the little court, notwithstanding its distance from the principal thoroughfares. The staples of the islands were well represented and ingeniously displayed. An immense strip of matting, made of the masi, or mulberry bark—named thus on account of its great resemblance to our mulberry tree—was draped across the court; baskets hung around of the same material; whilst the end wall was ornamented by a large case of photographic views, both of the scenery and inhabitants of the islands, around it being grouped a collection of native weapons, sent by Sir Arthur Gordon and the Government of Fiji. The centre of the court was devoted to a magnificent display of cotton, which is unrivalled in excellence, and successfully holds its own against that grown on a more extensive scale in older cotton-growing regions. Unfortunately the sudden changes in the market value of cotton tend to check its fuller development.

The Fiji Islands, being of volcanic origin, are luxuriantly fertile, and capable of unbounded culture. The area of the entire group is superior to the size of our West Indian possessions, inviting enterprise to open up many an avenue to commercial prosperity.

The soil is rich, even on the mountain tops, and tropical trees flourish, amongst which the cocoanut occupies a prominent place, as it yields support, and food, and clothing to the native population. A good many samples of the copra were sent to the Exhibition.

Cocoanut fibre is of use for many purposes, amongst which mats were shown, and baskets, and coir. There was a curious model of a Fiji church made of the fibre. Numerous samples of native trees were exhibited. The bark of one of these, called the *nauvau*, is beaten out into

native cloth, and this "tapa" was displayed in various stages. A large figure was dressed in some of the fine tissue-like fabric to represent a native lady in full dress. Strange to say, though so very fine, it is durable for wear. Some of the native dishes were curiously shaped. They were made of different woods. Bottles of nuts and oils were amongst the native exhibits, the latter comprising the dilo-cocoa and candle nut oils, and the former the ivory-nut, another kind used for tanning, and edible nuts. Mace, nutmeg, and cinnamon testified to the richness of the islands in spices; and there were bananas and ginger, edible seaweed and *bêche-de-mer*, guano and turmeric. Some prized grasses grow in Fiji, the lemon grass being used as a beverage by the natives, drunk as tea; specimens of the latter were shown at the Exhibition, as also several mats manufactured out of other native grasses and called "rotomaha."

One of the most important exports of Fiji is sugar, and a fine trophy of the cane was erected near the entrance to the court. All along the side were samples of manufactured sugar. The coffee and tobacco industries are still in their infancy, but the samples shown were of very fine quality. A coffee plantation of two-year-old trees yields from 80 lbs. to 450 lbs. of good coffee, doubling itself within twelve months. The exhibits of arrowroot and tapioca were very creditable.

A remarkable feature of the Fiji Court was a magnificent display of coral. Some of the loveliest pieces were arranged on glass, with a mirror along the back, which added to their beauty. Pearl shells were also there, and a variety of sponges. One of the curiosities was a native head-dress adorned with coloured berries and seeds; and lastly, a collection of native carpenters' tools, which were made of stone.

THE NEW SOUTH WALES COURT.

The oldest British colony in Australasia had its numerous exhibits in four distinct compartments. In the main building the finer descriptions of New South Wales goods were located between the areas assigned to the United States and India; machinery and railway appliances in the western machinery annexe, and also at the north end of the eastern annexe; while the bulk of the natural products and manufactures of the colony was displayed in a court having a frontage of one hundred feet to the central avenue of the main temporary annexe. This last-mentioned portion attracted the most attention, as containing specimens of the principal sources of the material wealth of New South Wales. Commencing with minerals, a lofty gilt obelisk represented the whole of the gold known to have been obtained in the colony to the end of 1879, the aggregate weight being 9,066,601 ozs., valued at £33,743,019. Around the base were specimens of auriferous quartz, some of which would yield an average of 3 ozs. to the ton. A smaller obelisk, silvered, showed the bulk of silver obtained from the chief silver mines, amounting to 661,701 ozs., valued at £161,572. A massive pile of cakes and tiles of copper from the Great Cobar Copper Co., with ores from that and other mines, evinced that copper mining is progressing rapidly, and the total output of that metal from the smelting works up to the end of 1879 realised £2,494,437. A handsome trophy built of ingots of smelted tin, encircled with chains and ribbons of the same metal, showed that the stanniferous deposits of the country are another of its mainstays, the sum of £3,144,237 having already been received for the aggregate production of the metal. A trophy composed of iron ore and pig iron, on which rested rails for railways and tramways, surrounded by pipes and other articles, cast or rolled at the Eskbank Works, Lithgow Valley, was also justly accorded a front position. The ores and hematites were rich, and the total output from the works to the beginning of 1880 was £54,151 worth. Two pyramids of kerosene shale exhibited products from the mines of the Australian Kerosene and Mineral Co., Joadju Creek, and the Hartley Shale and Oil Co. The shale of the latter company yields 160 gallons of kerosene to the ton, or 18,000 cubic feet of gas. Antimony, both crude and smelted, was shown in considerable quantities from the Macleay River district. The coal of New South Wales was well represented. The exhibits were mostly from the Newcastle district, and were in blocks, according to the various thicknesses of the seams—viz., Newcastle Coal Mining Co., 10 ft. 6 in.; Newcastle Wallsend Co., 9 ft. 4 in.; Waratah Co., 10 ft.; New Lambton Colliery Co., 9 ft. 9 in.; Illawarra Co., 7 ft. 6 in.; Osborne Wallsend Co., 7 ft. 6 in.; Greta Colliery, 15 ft. The Purified Coal and Coke Co. had a model of their patent coal-washing machine, and samples of the coal prepared by it and of the purified coke made therefrom. The fine display of minerals included a large number of ores of copper, tin, iron, antimony, with those metals in the refined state; also, lead, silver, and bismuth ores, gold in quartz, asbestos, gems, and various other minerals of more or less economic importance, all arranged under the direction of Mr. C. S. Wilkinson, F.G.S., Government geologist. The Department of Mines, Sydney, sent a number of geological and mining maps, the most important being the geological map of New South Wales, constructed from the original plan by the late Rev. W. B. Clarke. The tallest trophy in the court was formed of grindstones, which reached from floor to roof; and there were likewise specimens of freestone for build-

ing and flagging purposes. Timber—another staple product of the colony—was displayed in a collection of 277 specimens, arranged by Mr. Charles Moore, F.L.S., director of the Sydney Botanic Gardens. Each specimen was labelled with its natural order, scientific name, local name, height of tree, diameter of its stem and habitat. In the collection were upwards of forty eucalypts, twenty acacias, besides many other myrtaceous and leguminous species. “A large proportion,” said the *Age*, “are of very great importance for ornamental work, cabinetmaking, and the like, as the well-known cedar (*Cedrella Australis*) and the finely-marked *Abizzea Hendersoni*, and the Nuggum Nuggum of the aborigines, or for house-building and other economical purposes, as the various eucalypts and the binburra of the Clarence and Richmond Rivers (*Gmelina Leichardtii*), excellent for flooring and the decks of ships, as it never shrinks.”

A collection of fifty varieties of the timber of the Clarence River district was sent from Grafton, and several other specimens of forest products were exhibited. Of the timber collection generally the *Argus* remarked:—“Not the least interesting of the natural products of New South Wales is the splendid collection of timber which occupies the right side of the court. The wood is shown in the rough and polished; some of the specimens present a very handsome grain, and have all the appearance of being well fitted for making furniture. Of the durability of some of these woods, and their power to withstand the effect of water, some excellent illustrations are given. A portion of a pile of turpentine wood is shown, which has been for nine years immersed in sea-water. The section shows that it is as sound as the day it was first put in the water, the teredo navalis not having made the least impression on it. Another specimen is that of an iron-bark pile, which has been exposed to the action of the air and sea-water for forty-eight years in Darling Harbour. This specimen is pierced in several directions by the teredo, but the bores are far apart, and there is good substance of sound wood left. Another pile of white iron-bark, which has been in damp ground for sixty-five years, still remains perfectly sound.” The area of land under cultivation is steadily increasing, and cereals of all sorts can be grown in one part or other of the colony, according to the climate. Of these products, one large trophy in the shape of a cone formed of maize in the cob represented the growth of the Hawkesbury district, and in cases were shown the same product shelled from the Clarence River district. There were but three exhibits of wheat, those from Mr. James Connell, Donn-hill, Yass, and G. Faint, Spring Valley, Armidale, being (according to the *Age*) the most remarkable. The result of the manufacture of maizena and arrowroot was shown by some private firms. The Munn’s Maizena Company, Merimbula, and Mr. A. T. Laurie, of Rawdon Vale, each had a selected exhibit of their best productions, and corn flour and starch were shown by Messrs. John Wade and Co., of the Coreei Mills, Dungog. The production of sugar in the northern part of the Clarence district has become a very important industry, and the works established on the Clarence River by the Colonial Sugar Refining Co. have secured to the proprietary a large business. The exhibit of that company was contained in a handsome glass case, and consisted of sugar in all its forms, from the raw state to the finest crushed lump. The case also contained samples of light pale and dark rum, all manufactured at the company’s works from cane grown on the banks of the Clarence River. The wool-growing interest in New South Wales was represented not only at the grand display of wool, recorded in a separate article, but also by a collection of about three hundred samples of wool shown by Messrs. W. H. Chard and Co., of Sydney. It was displayed in two divisions, of washed wool and wool in the grease. There were also scoured and fellmongered wool, and samples from most wool-producing countries in the world. The Peel River Co. also exhibited specimens of their merino fleeces in the grease. The wines of the country were shown in the centre of the court, in an arbour, on the roof and sides of which a multitude of bottles were stacked, containing samples of the natural wines, blended or unblended, from twenty vineyards, with fortified wines and liqueurs from three of them. Leather was well represented by Messrs. Alderson and Sons, of Sydney. Their display consisted not only of leathers suitable for various trades and purposes, but also of goods manufactured therefrom. Thus they showed not only sole, wax kip, harness, stirrup, mill-belt, lacing, and other leathers, but also boots and shoes, leggings, harness, collars, saddles, trunks, portmanteaus, machine-belts, hose-pipe, &c. They had also bookbinding and harness leathers in great variety. Two or three other firms had smaller but very creditable displays of their productions. The court in the western nave of the main building was thus described by the *Age*:—“It is undoubtedly the most interesting, containing as it does what has been said to be one of the most complete collections of electrical instruments which have ever been exhibited in the colony. The credit of having brought such a valuable assortment together is due to Major E. J. Cracknell, Superintendent of Telegraphs, and commanding officer of the Torpedo Defence Corps of the colony. It is arranged on two large tables, and commences from the first instrument upon which a message was sent, to the latest development of the extraordinary applications of science. The instrument alluded to was that patented by Cooke and Wheatstone in 1838, and by means of it Tawell the Quaker, of Aylesbury, who murdered Sarah Hart, was arrested as he was making his escape from England. It is a peculiar contrivance as compared with the more recent improvements, and consists of five needles controlled by as many wires, and upwards of twenty keys, representing various

letters of the alphabet. The depression of one key directs two of the needles, or one, as the case might be, to the letter on a diamond-shaped frame, and although the process was extremely slow it was nevertheless accurate. The instrument is the property of the London Telegraphic Department, and has been lent to Mr. Cracknell. Highton's single needle telegraph, which was patented in 1848, is also shown, and the fundamental experiment upon which all the later thought and work were based is represented in Oersted's magnetic needle, upon which the variations of electricity are determined. The manner of the discoveries of the chemical and magnetic generation of electricity is shown, and in addition to a variety of exhibits illustrating the improvements which have been made in the Morse and Wheatstone principles, there is a very interesting display of apparatus for the controlling of torpedoes, for the regulation of railway traffic, and for use in connection with the electric light. One of the most important exhibits is the Wheatstone automatic system, comprising transmitter, receiver, key galvanometer and perforator, on which an important message, such as a political address required for distribution to a number of stations, is first perforated upon a tape, which is then taken to a translator, which in turn transmits it at a rate up to two hundred words per minute. The other is Cowper's writing telegraph, which is the latest development of this science, and by which a message written in ordinary character at one end of the line is reproduced at the other with a thorough distinctness." Under the heading of railway apparatus, Messrs. Hudson Bros., of Redfern, exhibited one of the ordinary sleeping carriages now in use on the long lines of New South Wales. The entrance was from a platform by a door at each end of the carriage. Inside it contained a lavatory, &c., and a press for holding mattresses and bedding when not required. Passing between these, a second door opened into a large compartment or saloon having a central passage, with seats on either side, convertible at night into sleeping berths, as on board ship. The carriage was intended to accommodate forty passengers. It was well ventilated, and fitted to secure comfort for travellers, without any unnecessary expense being incurred. Alongside of this car a section of tramway was laid, with Gjedsted's improved tramway rails and chairs, and Evans's patent self-acting tramway points. A portion was also paved with dressed cubes of bluestone, between and outside of the rails, to illustrate the way in which crossings are formed at the intersections of streets, so that the hoofs of horses may not be caught and fixed in the metal. There were other exhibits of a tram-car, patent chilled tram-wheels and axles, phosphor-bronze bearings, &c., all illustrative of the tramways laid in Sydney, with their appliances. Machinery and apparatus were not shown in very large quantities in this court. Of agricultural implements there were specimens of the two-wheeled plough, harrow, corn-sheller, and earth-scoop. Of steam-engines, Mort's Co. had compound launch engines; S. Forster and Co., Drysdale and Roberts, and others, had exhibits of a similar class, and also of machine and other tools. The Australian Museum contributed a case containing stuffed specimens of the food-fishes caught in Port Jackson and other New South Wales waters. The most notable specimens were a Jew fish (*Sciena antarctica*), 4 ft. 6 in. long, and weighing about 40 lbs.; a large rockfish (a species of *cosyphus*), an immense flathead, a black rock cod, and some immense conger eels; also specimens of the Murray cod from Lake George, where it has been introduced and thrives well. There were also three hundred specimens of fish preserved in spirits, with photographs taken from the finest live specimens. Some handsome stuffed Australian paradise-birds, lyre-birds, bower-birds, thrushes, &c., were also exhibited by the curator of the Australian Museum. The advancement of silk culture and the excellence of the raw material was indicated very clearly in an exhibit which comprised plain and figured silks made in Paris from cocoons raised in New South Wales. Messrs. Williams and Murray, of the Collingwood Paper Mills, Liverpool, manufacturers of paper for all purposes, exhibited reams and rolls of that material which they supply to some of the Sydney journals. They included the ordinary news and toned sheet, and some rolls of news were three and a-half miles in length. The display of vehicles was very small. Three buggies, built by Messrs. Haining and Schemmel, were well constructed and serviceable, as were also some cars in varnished wood by Mr. R. Ristoul. In the centre of the court in the main building was a bijou drawingroom, in which was a display of elegant furniture manufactured by Mr. J. Lawson, of Sydney; and other handsome and substantial exhibits of furniture were shown by various cabinet-makers, whose work demonstrated the suitability of fine-grained colonial woods for cabinet work of all kinds. The Department of Public Instruction had forwarded a collective exhibit of the means and appliances for teaching, with plans, models, and photographs of public-school buildings, and samples of the pupils' work. Improved school desks and educational apparatus were shown by Messrs. Troughton and Boulton. A good and numerous collection of printing and bookbinding, also of photo-lithography, was supplied from the Government printing-office, Sydney; and other books and samples of printing, with admirable photographs, were shown by private exhibitors. Some good general and geological maps of the colony were sent by the Surveyor-General and the Department of Mines. The well-known Zigzag railway on the Lithgow Valley line, of which so little idea can be formed by those who have never travelled upon it, was presented to the public in a very pleasing manner by a model under a glass case. The contour of the valley, with its lofty, precipitous sides, were admirably modelled, and the line of railway, with

the viaducts by which it passes over gorges, and the tunnel by which it passes through a spur half-way up the steep side, were all shown with fidelity. The course of the creek along the bottom of the valley was well defined. The model was prepared and exhibited by the Department of Public Works. The fruits of New South Wales were not represented in quantity in a preserved state, but fine collections of fresh fruit were placed in competition at the horticultural shows held in the main building, and obtained full commendation for the excellence of their quality. Farm produce was also exhibited in like manner with a similar result. In the fernery, at the end of the central avenue of the annexe, was a fine collection of New South Wales ferns, collected by the director of the Botanic Gardens, Sydney; and in the principal court were other specimens of ferns, and a number of orange trees in various stages of growth.

THE NEW ZEALAND COURT.

The frontage of the New Zealand Court abutted on the main central avenue, between the courts of South Australia and Queensland. In its introductory remarks upon the court and its contents, the *Age* had the following commendatory observations:—"It furnishes a complete illustration of the material resources and the manufactures and attainments of the people of New Zealand. It is without any specialty, is thoroughly general in its character, and is ornamented with some of the finest specimens of art work which are to be seen in the Exhibition. The commission for that colony established local committees in the principal cities and towns, and they succeeded in collecting a valuable assortment of all that was worth exhibiting. These were confided to the charge of Dr. James Hector, C.M.G., vice-president and executive representative, who, with Mr. Charles Callis, the secretary, has been most energetic in displaying them to the utmost advantage." Noticing the exhibits in the order in which they were arranged in the Catalogue, educational appliances claim priority. In a population which, at the time of opening the Exhibition, amounted to little short of half a million persons, of whom 52.00 per cent. were under twenty-one years of age, and 25.53 per cent. between five years and fifteen years of age, the number of children in 1878 of school-going ages was 105,235; and of those 62,886 attended Government schools, 14,611 private schools, and 9706 received home tuition. Of school apparatus and appliances used in the State schools the Board of Education forwarded a fair collection; and a set of reading tablets was shown by H. Hill, of Napier. Of appliances suitable for superior instruction, display was made of ethnological collections by Prof. J. von Haast, and of geological and mineralogical specimens, and sketches of New Zealand scenery, by Dr. J. Hector. His geological collection comprised 2500 specimens. The maps and geographical and cosmographical apparatus which were exhibited must be of service to teachers. The initiation of paper-making as a New Zealand industry was shown in brown and grey wrapping papers, manufactured chiefly from native grasses by the Mataura Paper Mill Co. and the Otago Paper Co., and also in paper bags made from those papers at a factory in Invercargill. Printing and books of good quality were included in this group, and also a violin and case, and a set of bagpipes, all of New Zealand wood. The furniture and general cabinetwork placed in the court was highly creditable to the manufacturers. Guthrie and Larnach's Timber and Woodenware Factories Co. exhibited an ornamental hall door, a cabinet in which 8508 pieces of wood of numerous varieties had been inlaid, parquette flooring, &c. Other attractive articles were shown by G. Bernasconi, J. Petherick, Waddell, M'Leod and Weir, of Wellington, and other cabinetmakers, whose workmanship was enhanced in appearance by the beauty of the native woods they had used. Pottery was represented by specimens of earthenware, terra-cotta, vases, drain pipes, bricks, and fire-clay goods from several persons who have commenced the manufacture of such articles. Claret jugs and cups, made by B. Peterson and Co., Christchurch, from New Zealand silver, and a silver epergne by M. Sandstein, represented the works in precious metals. In apparatus for heating were cooking and heating ranges, and for lighting, gasaliers, &c. In textile fabrics the most important display was made by the Mosgiel Woollen Factory Co., whose tweeds, travelling rugs, blankets, hosiery, &c., were made of pure wool, and most favourably noticed for their quality and texture. These were subsequently recommended for the Emperor of Germany's prize. Of silk in cocoons or reeled there were a few exhibits, one being the produce of one thousand silkworms reared in Auckland. Clothing comprised hats of various materials, by V. Almao, of Dunedin, and felt hats made from rabbits' fur, by G. Bertinshaw, of the same city. Boots and shoes in variety were shown by several manufacturers in Christchurch and Dunedin. Of Maori costume there was one mat, worked in peacock feathers, and another in pigeon feathers, both of beautiful design and finish. The products of the New Zealand forests, and of the trades appertaining thereto, are of great importance to the colony, as statistics show that in ten years the value of the timber exported was £333,083. The principal exhibit in this class was a trophy of all the valuable woods of the North and Middle Islands. It contained choice samples, carefully polished, of woods from Auckland, the Thames district, Nelson, Dunedin, Wellington, Taranaki,

Canterbury and Westland, Hokitika, Picton, Invercargill, Napier, and Otago; whilst kauri, jarrah, totara, rimu, fuchsia, yellow pine, towai, puriri, rewa-rewa, ake-ake, and rihikitu were amongst the varieties shown. Smaller collections of the timbers were shown by other exhibitors. The Colonial Museum of New Zealand had a collection of timbers, showing the results of experiments for determining their relative strength. The dimensions of the specimens experimented on were 1 inch square and 12 inches long, and the weight suspended from their centre at which they broke varied from 32 lbs. to 314·2 lbs. The Omata Chemical Works had an exhibit of tanning, dyeing, and medical extracts, obtained from towai, rimu or red pine, hinua, pukatea, and supplejack. In this division there was also an exhibit of strong coal baskets, made from New Zealand supplejack, the larger sizes each holding 4 cwt. of coal. Bark, for tanning, likewise appeared amongst the exhibits in this class. Of the products of hunting, shooting, and fishing, were stuffed specimens of fishes abounding round the coasts of the southern part of the Middle Island, and at Stewart Island; also, of the kiwis, kakapos, penguins, and other New Zealand birds. An excellent display of furriers' work was exhibited, comprising rabbit and hair skins; and muffs, collars, and other articles made from New Zealand bird skins and feathers. Of the spontaneous products comprised under this head, the principal exhibit was kauri gum, shown in large quantity and variety, as in 1877 the export was 3632½ tons, valued at £118,348, and 1878, 3445½ tons, valued at £132,975. The gum is now being extensively used in the preparation of varnishes, &c. Another spontaneous product shown was mineral oils, of which three distinct kinds are produced, each in a different district—viz., a valuable lubricating oil, from the Sugar Loaves, in the Taranaki Province; a true paraffin oil, from Poverty Bay, east coast of Auckland; and a superior illuminating oil, which burns in kerosene lamps, found at Waiapu, East Cape. The oil exhibited was petroleum, collected from a natural well near Poverty Bay. New Zealand flax (*Phormium tenax*), and articles made therefrom, were the chief exhibits in the class of agricultural products not used for food. The Colonial Museum of New Zealand forwarded samples showing the preparation of the fibre and its application to useful purposes; and exhibits of a similar class were shown by Messrs. C. Chinnery and A. Robertson. Mr. W. R. King showed flax kits made by Maoris; Mr. J. Seed sent 2½-inch rope and twine for reaping and binding machines; and Mr. T. Bevan, jun., had a display of 2-inch rope, horse halters, fishing and lead lines, twine, &c., all manufactured from the indigenous material. A sample of European flax fibre, grown at Cust, New Zealand, was shown by the Canterbury Agricultural and Pastoral Association, to lead to the opening up of new industries, as the production of linseed oil-cake and linseed oil. In the chemical products division Messrs. Kitchen and Sons had an exhibit of candles and soaps made at the branch works in Wellington; and similar articles were shown by M'Leod Bros., of Dunedin. Leather was scarcely represented, the only exhibits in the class being basils and parchment made from pelts. Agricultural implements were limited to single and double furrow ploughs and harrows; and in the same class some samples of bone manure were shown, and likewise designs for farm buildings. Of apparatus used for the preparation of food, Messrs. A. and T. Burt, of Dunedin, had an oval tube refrigerator and other appliances used by brewers. The same firm also exhibited pumps of various descriptions, a water engine, and lead and composition pipes. In another compartment were paper pulp and *papier-maché* manufactured from New Zealand flax. The carriages shown were a circular-fronted brougham, made at Christchurch, and a landau, from Dunedin. Riding saddles were sent from Invercargill and Christchurch. Under the heading of railway apparatus, Mr. J. Alves, Dunedin, exhibited a working model of his patent aerial tramway, with clip and hanger for 2-inch rope, as now working at a colliery near Dunedin. Mr. Alves also showed a model of his patent silt elevator and carrier, for raising stuff from a punt and afterwards carrying it to almost any distance required. A general plan of a wire rope railway between Dunedin and Roslyn was sent by Messrs. Reid and Duncan. A collection of the building stones of Canterbury, made by Professor von Haast, comprised seventeen kinds of lavas, sandstones, limestones, &c., from Oamaru, Waipara, and other places. The Oamaru Stone Co. exhibited a stone column with capital, and an obelisk block of the Oamaru limestone. There were various marbles obtained from different places, that gave promise of the development of valuable marble quarries in the Middle Island. A specimen of the patent artificial Caithness flagging of Mr. C. O'Neill, C.E., Wellington, was laid at the main southern entrance to the Exhibition Building, where it was tested satisfactorily by the traffic over it of many thousands of persons daily while the Exhibition was open. The exhibits in matters pertaining to navigation were of much interest. A well-constructed model of Lyttelton harbour, indicating the works and improvements at that port, was exhibited by the Lyttelton Harbour Board. They include an area of 110 acres of water within the two breakwaters, and the wharves and jetties provide a total of 10,260 feet of berthage space. In four years 1,500,000 tons of clay, &c., have been dredged out of the basin, which now has a depth of water at the wharves varying from sixteen to twenty-three feet at low tide. The expenditure has been above £500,000, which will be increased by the cost of a graving-dock, now in course of construction, which when completed will be capable of docking a first-class ironclad. A plan of Wellington harbour was submitted by Captain J. Holliday. Immediately inside the entrance of the court from the main avenue were models of two of the

vessels of the Union Steamship Co. of New Zealand, the "Rotomahana" and "Wakatipu." Models of sections of other vessels belonging to the company, with statistics concerning them, were disposed in the vicinity. A model of a Maori canoe, a boat with propeller, a canvas boat, models of five yachts, &c., were placed in juxtaposition, and with a life-saving vest, and a model of a wave-power machine for compressing air, completed the exhibits in that department. Of cereals, there were forty-six exhibitors, several of whom showed from twelve to twenty varieties. Concerning those the *Argus* remarked:—"Mr. E. H. Banks, of Christchurch, sends pearl barley, white Tuscan wheat, pea-flour, white field peas, winter tares, cocksfoot, horse beans, buckwheat, malting barley, white Tartarian oats, Prussian-blue peas, rape seed, Hunter's white wheat, rye corn, white Canadian oats, black or Cornish oats, linseed, Russian pearl wheat, purple-straw Tuscan wheat, and rye-grass seed. Other exhibitors show flour, farina or potato flour, oats, peas, wheats and barleys innumerable, malt, oatmeal, bran, sharps, and semolina. Though the samples are in each case small, the collection does the greatest credit to the colony. Amongst the best got-up exhibits may be noted those of Messrs. Geo. King, P. Cunningham, and Royse, Stead and Co., all of Christchurch, and Mr. Thos. Harley's Nelson hops. The Canterbury district is by far the most largely represented, which is but natural, but the other provinces nearly all contribute a representative show." Of biscuits, there were five exhibitors, each making an appetising display. Cheese, another staple product of New Zealand agriculturists, was shown in considerable quantities, nine producers having forwarded samples of their manufactures, one cheese weighing 112 lbs. All was made in the Middle Island, and chiefly in the southerly districts. Hams and bacon were shown by three firms in Dunedin and two in Christchurch; and Mr. W. H. Mein, of Christchurch, had a fine assortment of preserved meats, comprising twenty-five varieties. The North Island contributed canned peaches, which grow there in immense quantities. Of sauces, syrups, liqueurs, preserves, coffees, and spices, there were also a number of exhibitors. The fermented drinks were well represented by samples of ale and stout, in bulk and bottled, brewed chiefly from colonial malt and English and New Zealand hops. They were from twenty-two breweries at Christchurch, Dunedin, Invercargill, Oamaru, Nelson, and other places. There were likewise a few exhibits of wines from grapes grown in the Wanganui district, and of other fruit wines made at Nelson and Queenstown. Ferns, which abound in New Zealand, were shown in large number and variety, both in the court and the fernery. Fine specimens of the nikau palm (*Areca sapida*), surrounded by mounds, in which small ferns were planted, were placed at the main entrance to the court, and others at the entrance to the fernery. A fine collection of seeds and seed cones, containing 301 sorts, was shown by Mr. T. H. Potts, of Christchurch. New Zealand is rich in metals and minerals, and the efforts made to exhibit specimens of that description of wealth at the Exhibition were successful. The New Zealand Commissioners had a gilt trophy constructed in the shape of a rhombic octahedron, the greatest diameter of the block being 18 feet, and the lines of the angles 12 feet. It represented the bulk of the export of gold from the colony from 1860 to the end of June, 1880, the solid bulk being 720 cubic feet, the weight 9,396,427 ozs., and the value £36,753,798. On the base of the trophy were marked the yields from the various goldfields as follows:—

	OZS.	VALUE.
NORTHERN GOLDFIELD—		
Auckland, 1852-1880	1,275,363 ...	£4,674,162
CENTRAL GOLDFIELD—		
Nelson, Picton, Wellington, 1857-1880 ...	1,671,115 ...	6,630,920
WESTLAND GOLDFIELD—		
Hokitika and Greymouth, 1866-1880 ...	2,485,512 ...	9,849,015
SOUTHERN GOLDFIELD—		
Dunedin and Invercargill, 1861-1880 ...	3,964,437 ...	15,599,702

"The Bank of New Zealand," said the *Age*, "has furnished a most attractive exhibit of specimens of alluvial and quartz gold, the former of which are shown on glass tablets. There are some small nuggets in the collection, which may be regarded as being a national exhibit. There are also other samples of copper and silver ores, and other deposits, which have been forwarded by private exhibitors." In coal there was a large display, which ranked but second to that in the New South Wales Court, and which furnished an excellent indication of the great value of that branch of mining industry to the colony. The Brunner Coal Co., Grey River, had a true section of the seam which has been worked for the past fifteen years. It is 16 feet thick, is a valuable steam coal, and yields 12,000 feet per ton of eighteen to twenty candle gas. The Coalpit Heath Co. had a section from their 18-foot seam. From the Bay of Islands Co.'s works were brown coal for household use, and anthracite, for which there is a large demand in certain classes of factories. Other blocks from Paringa, Westland, Kaitangata, Otago, the Nightcaps, and Invercargill, were also exhibited. Shale of an unusually rich character, which was mined at Orepuki, Southland, was also represented. Placed so as to form the lining of a portion of the machinery annexe, immediately behind the New Zealand Court, were the principal carved panels of an ancient Maori runanga-house, called matatua. It was

originally built by the Ngatipukeho tribe, for the purpose of representing therein all their ancestors. The grotesquely carved image on each slab was that of the ancestor of some tribe or sub-tribe.

THE QUEENSLAND COURT.

From a colony so extensive as Queensland, which has an area of 669,520 square miles, it was anticipated that a large and varied collection of natural and manufactured products would be displayed, and that expectation was fully realised. Its fertile soil and variety of climate allow the cultivation of all classes of vegetation; minerals and metals abound in all parts; timber of high commercial value grows in profusion, and other sources of wealth are not wanting. Manufactures are as yet limited in number, but some have been established, and specimens of their results were found in the court. The population of this vast province was under a quarter of a million in 1879, and a large number were children, for whose instruction provision is made in a State system of education. In 1879 there were 318 schools under the supervision of the Department of Public Instruction, at which 45,312 scholars were enrolled. In the class of exhibits illustrative of this subject the department and others showed models and plans of school buildings, desks and forms, maps and stands, and specimens of the pupils' work—as maps and drawings. In this group of exhibits were samples of papers made from the bark of tea-tree (the *Ficus macrophylla*), and other indigenous products suitable for paper-making, and utilised for that purpose by Mr. A. Macpherson, of Brisbane. In furniture and accessories were very ingenious articles in cabinet-making. Those of Mr. P. Thomle, of Fortitude Valley, comprised a loo-table inlaid with fifty varieties of Queensland woods, a jewel cabinet inlaid with thirty-four varieties, and book-case, chests of drawers, &c., all manufactured from native timber. “There are several other specimens of local work in native woods” (said the *Age*) “which are also creditable, a one-pedestal dressing-table, with looking-glass, of silky oak and cypress pine, by Mr. J. Petrie, of Brisbane, and a Dutch wardrobe exhibited by Mr. J. W. Carey, being most deserving of mention. There is also shown a suite of furniture by Messrs. J. and J. Hislop, of Brisbane, in Queensland oak ebonised, and upholstered in crimson and gold, which is attractive.” A commencement has been made in pottery making, some serviceable articles manufactured by Mr. D. Fensom being shown, with fire-clay goods—as crucibles, retorts, bricks, &c.—made by Mr. A. Simpson, of Darling Downs, and others. The group of textile fabrics, clothing, &c., included the following:—An assortment of blankets, serges, and flannels from the mill of the Queensland Woollen Manufacturing Co., at Ipswich. From the same town was a collection of silk grown by Mr. C. F. Chubb, with material in various stages of manufacture into piece goods. The principal penal establishment of the colony, at St. Helena, contributed boots and shoes and articles of dress for warders, convicts, police, &c., as examples of the utilisation of prison labour in that place. Under the head of raw and manufactured products, those derived from forests were prominent. The Director of the Botanic Gardens, Brisbane, sent a collection of Queensland timbers, comprising blocks of 227 distinct varieties, besides fitches and scantlings of many of them, and an assortment of walking-sticks. The importance of the timber trade is shown by the statement that the exports for the year ending 30th June, 1880, were:—Cedar, sawn, 12,000 feet; cedar, in logs, 2,734,800 feet; pine, sawn, 486,523 feet. The Queensland Government contributed an ornamental stand, with 142 cups on its shelves, turned and polished, illustrating the varieties of timber indigenous to the colony. Another stand contained 101 cups and 30 drops, similarly turned and polished, and showing a further series of varieties of timbers. The director of the Botanic Gardens forwarded, likewise, a collection of barks for tanning or medicinal purposes, some being astringent, and others possessing most of the properties of quinine. A trophy of mouldings from the Hon. W. Pettigrew, and another of polished wood panels from the Queensland Government, were effective displays of native woods; as was also the collection of sixty varieties of new native timbers from North Queensland, sent by the Rockhampton committee. A trophy of turnery work, by Mr. H. Sturgess, of Rockhampton, and specimens from other exhibitors, all tended to prove the value of these products. Leaves of one tree, used as a decoction in ophthalmia, and of two species of citron-scented eucalypts, used for stuffing pillows, as a preventive of fever, with samples of febrifuge bark, completed the display in this class. The exhibits of products of hunting, shooting, fishing, &c., were numerous. An interesting collection of ninety-five native birds, from the Norman River, was shown by Mr. T. A. Gulliver, of Thornborough; and the natural history specimens of Mr. A. Alder, Brisbane, were meritorious. At the frontage of the court in the main annexe the Commissioner erected a lofty pyramidal trophy, composed of the shells of the pearl oyster, obtained from the fisheries in Torres Straits, off the Queensland coast. The trophy was valued at £200. From the Queensland Museum there was a conchological collection, and another of stuffed animals. The Secretary of the School of Arts, Rockhampton, forwarded, in cases, a number of entomological specimens, found near there. Private

exhibitors sent a large number of other natural history specimens. A remarkable exhibit by the Queensland Government was that of a stuffed male dugong, supposed to be forty years old when caught. This strange marine animal yields an oil of great value to consumptive patients. its hide, when tanned, forms a leather of great thickness; and its flesh is wholesome and palatable. The aborigines were represented by the remains of three, long since deceased, of which the *Age* gave the following description:—"They are curious looking creatures, and constitute one of the sights of the Exhibition. One is by himself, and is compressed in such a manner with his hip bones under his head as to signify a rather irreverent method of trussing to which he was subjected. The remains were found in 1876 at Trinity Bay, in the far north, and they were said by tradition to be those of Naada, a king under whose sway the tribe of the district prospered upwards of two hundred years ago. Near him are two others, whose career in the flesh was apparently more recent, although they no doubt walked the forest long before the emissaries of European civilisation first intruded upon the wildernesses which now flourish under the influence of a new dispensation. They come from Stevens Island, and are laid out on a rude framework of wood for the inspection of the latter-day inquisitives. Each of the three has been preserved in some mysterious manner which was only known to the natives." There were also some collections of native weapons and other articles, displayed upon the wall, and comprising spears and boomerangs, fishing nets, wooden swords and knives, some of them carved into strange shapes and with curious designs, showing that a rudimentary taste for art exists even among the lowly aboriginals of Northern Australia. Amongst agricultural products not used for food was a collection of 100 varieties of indigenous fodder grasses, from Mr. F. Turner, Brisbane, and another from the Curator of the Botanic Gardens. The latter also exhibited a number of gum resins, and a collection of indigenous fibres, with cordage made from some of them; and a similar collection was sent by Mr. A. Macpherson. Tobacco in the leaf, and manufactured tobacco, were shown by several exhibitors; and there were a few samples of cotton, although it is not grown now to the same extent as formerly. In chemical and pharmaceutical products the essential oils, tinctures, &c., prepared at the Botanic Gardens from *Eucalypti melaleuca*, *acacia*, &c., were conspicuous. Similar articles were sent by other exhibitors, and also dugong oil, and soaps of various kinds. In leather and skins there were a few exhibits, the chief being a collection sent by the Queensland Government. The list of alimentary products was varied. The Curator of the Botanic Gardens exhibited arrowroot of various sorts, tapioca, and cassava, with ground nuts, sweet potatoes, yams, ginger, &c. Thirty varieties of sugar-canes proved the interest manifested in the production of sugar. Rice and maize were shown by several growers, and a few samples of wheat and flour, oats and rye. A trophy of one ton of prepared arrowroot, in 1-lb. packets, was built up to a considerable height, and attracted much attention. Biscuits of excellent quality were shown in quantity by F. W. Wilson and Co., of Brisbane. In the class of meat and fish, a prominent feature was *bêche-de-mer*. Mr. B. Skinner, of Fortitude Valley, had a lofty trophy of tins of preserved meats, which included turtle soup and potted dugong; and Stiller and Co. exhibited bacon and lard, prepared from the flesh of the same amphib. Of fruits, a collection from the Botanic Gardens was set out at the horticultural exhibition, and contained several kinds grown in tropical climates. Preserved fruits and olives were shown by other exhibitors. One of the most important industries of Queensland is the growth and manufacture of sugar. In 1878 there were 16,584 acres of land under cane, and the yield therefrom was 13,525 tons of sugar, 570,301 gallons of molasses, and 216,395 gallons of rum. Since then the growth has been much increased, and in the year ending 30th June, 1880, the exports of sugar amounted to 234,340 cwt., and of rum to 86,259 gallons. The exhibit of sugar by the Curator of the Botanic Gardens was complete, there being 68 samples arranged, with their values and distinctive qualities stated. A number of other specimens were shown by other growers, manufacturers, and merchants. A collection of tea, coffee, spices, peppers, &c., was sent from the northern districts, where such plants thrive well. Of wines there were 18 exhibits, principally from vineyards in the vicinity of either Brisbane or Warwick; and of rum, seven exhibits, one being eleven years old. Exhibits in connection with mining industries, and of the products derived therefrom, were of a character suitable to the known metalliferous resources of the colony. From a heap of auriferous quartz obtained from the North Glanmire Co.'s mine, at Gympie, a gilt obelisk arose, representing the bulk of the gold obtained in the colony between 1868 and 1879, the total weight being 3,477,679 oz., valued at £11,762,316. Another trophy denoted that between 1873 and 1879 there were found on the Palmer River goldfields 946,716 ozs., worth £3,948,500. Tin was displayed in a trophy built of ingots of that metal, smelted from ores obtained at Stanthorpe. Copper ore, and cakes of the smelted metal, from the noted deposits at Peak Downs, were also arranged. The Queensland Government contributed a varied display of specimens of metals and minerals which abound in the colony. Coal was forwarded by the Bowen Municipal Council, and Mr. A. C. Gregory supplied samples of coal from seven mines now being worked. The trustees of the Queensland Museum also sent a large collection of metallic ores, precious stones, marbles, gypsum, china, clay, salt, palæozoic and alluvial fossils, &c. There were also numerous private exhibitors of different articles included in this class, all valuable, as proving the richness of Queensland in such products.

THE SOUTH AUSTRALIAN COURT.

Nearly the whole of the display made by South Australia was in a court situate in the central avenue of the main annexe, between the spaces allotted to New Zealand and Western Australia, a small extra area in the western machinery annexe having been set apart for machinery. The sub-division of the area, and the arrangement of the various exhibits, were admirably made by the Executive Commissioner and his staff, and the court presented an appearance highly creditable to the colony. The most attractive feature was a bush scene which occupied a rectangular corner. In front was a hut built of rough split slabs, such as was the habitation of a pioneer in the earliest days of the colony. The walls of the corner behind were artistically painted to represent a succession of hilly ground culminating in distant peaks of mountains of great altitude, while a skilfully built piece of rockwork between the hut and the wall formed a rocky channel, down which a small mountain stream (of Yan Yean water) flowed, forming a succession of diminutive waterfalls. The interstices of the rocks were filled with earth, which extended on each side to the walls; and grass, ferns, and other plants were sown and planted therein. On either side of the running water were snakes, tortoises, lizards, wallaby, and other native animals, and on the bark roof of the hut were perched magpies. At the furthest corner from the hut were admirable models of a stalwart aboriginal with his lubra (wife) and child, all clad in rugs made from the skins of native animals; and behind was a wurley, or rude shelter, constructed of boughs broken from gum trees. At the foot of the man an opossum was lying, which he was supposed to have just speared, and the woman was about lighting a fire of sticks to roast it upon. The whole formed a faithful representation of aboriginal life, and contrasted admirably with the proofs of advancement displayed in all directions around. In reference to the exhibits, the most prominent and important to the colony were cereals, especially wheat. At the harvest in December, 1879, and January, 1880, there were nearly one and a-half million of acres reaped, yielding an aggregate of over fourteen million bushels of wheat. Large quantities of wheat and flour have been exported of late, and the value of the export of those productions for the year 1879-80 was upwards of £1,500,000, and the total value of the export of breadstuffs since it commenced is estimated at £25,654,692. Of the exhibits in this class the *Age* remarked:—"They are in small bags, which have glass covers, and the exhibits of old red straw, white Lammas wheat, and the purple straw wheat—the latter of which secured the special first prize at the Sydney Exhibition—which have been forwarded by Mr. W. J. Venning, of Crystal Brook, and those of purple straw and white wheat which are forwarded by Mr. William Brook, of Woodchester, who is also a large prizewinner, are splendid specimens. The crops of Mr. J. H. Angas, of Collingrove, Mr. R. Paterson, of Smithfield, Mr. J. M. Perryman, of Koolunga, and Mr. Joseph Thyer, of Belalie, are also represented. . . . Mr. Angas obtained a first prize in Adelaide, in February, with an exhibit which averaged 69 lbs. 1 oz. per bushel. The Commissioners show other cereals, such as barley, oats, rye; Messrs. John Frame and Co., of Mount Barker, also show oats; and Messrs. John Primrose and Co., of Adelaide, have forwarded samples of malt. The brands of flour are no less celebrated than the wheat, and the names of W. Duffield and Co., of Gawler, and W. C. Harrison and Co., of Port Adelaide, have become as widely known as that of the colony. Each firm has specimens of the superfine and silk-dressed flour, and they are accompanied by others shown by Messrs. James Cowan and Co., of Adelaide; Christopher Fink, of Greenock; Giles and Smith, Adelaide; Magarey and Co., Adelaide; W. Thomas and Co., Adelaide; and A. W. Webb, Lyndoch Valley. An interesting exhibit in this class was sent by Mr. M. Holtze, Government gardener, from Palmerstown, in the Northern Territory. It consisted of hill rice, maize, Egyptian corn, four kinds of millet, arrowroot, and sugarcane, all of which grow well in that part of the colony. A further evidence of the great importance of the production of wheat and flour was adduced in a series of photographed views of a number of flour-mills, the property of Messrs. John Dunn and Sons, millers and wheat merchants. The mills are situated in nearly all the principal towns of the colony, are driven by steam and water power, contain in the aggregate forty-two pairs of stones, and are capable of grinding upwards of 1800 tons of wheat per week. Biscuits made from South Australian flour were shown by the Commissioners, a collection of various kinds, made by the best biscuit bakers in Adelaide, being displayed in neat baskets, under a handsome glass case. Of other alimentary products, there were six exhibits of excellent olive oil, the preparation of which is now an established industry. Preserved meats, prepared in the Parisian style, were shown by Mr. E. Bourbaud. Raisins and other dried and preserved fruits deserve special notice. Mr. Thos. Hardy, vigneron, of Bankside, was the principal exhibitor. Every year he places on the market about twenty tons of raisins, six tons of currants, besides dried peaches, apricots, plums, prunes, apples, pears, and almonds. He also prepares almond and olive oils. The dried raisins and other fruits of the Hon. A. Hay and Mr. T. B. Robson were also very noticeable. As manufacturers of jam, the most attractive exhibit was that of Messrs. Geo. M'Ewin and Sons, of Glen Ewin, where they have an immense orchard. The firm made 382 tons of preserves in the season 1879-80. Mr. W. D. Terry, of Belair, had also a fine assortment of preserves. Other exhibitors displayed pickles, sauces, confectionery, cordials, liqueurs, bitters, &c., in great variety. Of ales and

porter there were two exhibits of each; and of spirits distilled in the colony there were samples of gin, rum, brandy, whisky, spirits of wine, &c. The chief display of fermented drinks was, however, in wines, of which about 156 different kinds were shown in crystal decanters, arranged in form of a trophy. Amongst the old varieties imitated were Constantia, Frontignac, Muscatel, Madeira, sherry, port, Burgundy, Hermitage, claret, and hock. The most prominent of the grape names were Shiraz, Carbinet, Riesling, and Verdeilho. The majority of the vines produce sweet or full-bodied wines, but in the hilly districts claret and hock types prevail. In addition to a large home consumption, South Australia annually exports a considerable quantity of wine. The fresh seasonable fruits of the colony were shown in two stands. Shaddocks, oranges, lemons, citrons, dates, loquats, apples, &c., were displayed in varieties, and the supply was renewed periodically while the Exhibition remained open. Another important product of the colony is copper, which is found in rich lodes in various places. In the days when the price of copper ranged much higher than it does at present, as much as £750,000 worth was exported in the year, but owing to the fall in the market the value of the export of the metal in 1879 was only £350,000. To bring this staple product prominently forward, a trophy of marketable ingots was erected at the entrance to the court. It was of considerable height, and contained about 16 or 17 tons of the metal. The Commissioners for South Australia had likewise a collection of 183 specimens intended to illustrate the nature of the ores obtained from the various copper mines of the colony. Another exhibit by the Commissioners was a collection of South Australian minerals, comprising 619 specimens, and including 207 pieces of native copper, cuprite, malachite, &c., and also 117 auriferous specimens from Balhannah, the Northern Territory, &c. The English and Australian Copper Co., whose chief smelting works are at Port Adelaide, had a fine display of copper in cakes, tiles, and ingots, as required in different markets, and also a number of articles manufactured from the smelted metal, to show its ductility, malleability, and purity. The copper ore smelted by this company in seven years was 87,239 tons, and the refined copper made therefrom 17,529 tons. The proprietors of the Wallaroo Smelting Works had another collection of specimens illustrative of the process of copper smelting as conducted at their works, the ores operated upon being mostly from the Moonta, Wallaroo, and other mines in Yorke's Peninsula. There were some smaller exhibits in this class from private exhibitors, all worthy of examination. In this class a number of samples of soil were exhibited in boxes ranged along the boundary of the "Bush scene." The boxes were in pairs, one containing the surface soil and the other the subsoil at the depth of about two feet, the exhibits being from nine or ten different districts lying widely apart. Of natural or raw products timber was prominent. The Conservator of Forests showed sixteen samples, accompanied with sketches and descriptions of the trees. Another collection of specimens was exhibited by Dr. R. Schomburgk, Director of Botanic Gardens, Adelaide. There were also samples of valuable tanning barks, chiefly mimosa or black wattle—long, as delivered by the strippers; and chopped or ground, as prepared for export. Of building materials—as freestones, flagstones, slates, limestone, gypsum, &c.—specimens were shown by the Commissioners for South Australia, and other exhibitors. Wool in small quantities was also placed in the court by three or four wool-growers, but the bulk was reserved for the special wool show. Amongst other products were silk cocoons, raw flax, sea-island cotton, beeswax, &c. The board of governors of the South Australian Institute had a fine collection of specimens of natural history, comprising numerous kinds of preserved reptiles, mammals, fish, and birds; fossil remains of extinct gigantic mammals, and a collection of corals from the Northern Territory. In manufactures established in South Australia, furniture and cabinetmaking was conspicuous. Mr. P. Gay, of Adelaide, had a table inlaid with 30,000 pieces of cedar, pine, stringy bark, and gum; a chest of drawers inlaid with 17,000 pieces, and a Huon pine wardrobe, all showing excellent workmanship. Good specimens of cabinetwork and articles required in furnishing were shown by other exhibitors, some marble mantelpieces being especially noteworthy; and iron bedsteads of various kinds, proving that the making of those articles has been successfully inaugurated. The same mention may be made of an exhibit of knives, corkscrews, and other specimens of cutlery manufactured in Adelaide. Goldsmiths' and silversmiths' work was thus reported upon by the *Age*:—"The display which is made by Mr. Henry Steiner, of Adelaide, is certainly worthy of thorough inspection. The jewellery has been prepared in the most approved manner in chaste styles, and the work is declared to be of the best. Bracelets, brooches, and lockets are shown in variety; and among the pendants is a diamond cross estimated to be worth £370. Above are epergnes in silver, with the easily-recognisable emu-egg mountings, and the not so well known ostrich-egg ornaments; and around them are sporting trophies, claret jugs, tea services—principally in silver—and two gold racing cups of elegant designs. A casket of sterling silver is a handsome piece of work; and Mr. Steiner has also shown that in the mounting of cocoanuts a desirable adornment may be produced." Mr. Steiner was recommended by the Jurors for the Emperor of Germany's prize. Articles in tinned and japanned ware and galvanised iron were shown in considerable variety and of good quality; besides washing-machines, gas stoves, and numerous other articles required in households. Of portmanteaus, leather cases, and ornamental and fancy basketware, there were likewise creditable displays. The exhibits of

chemical and pharmaceutical products included salt manufactured from salt-lake water at Yorketown, both unrefined and refined. Aerated waters of all descriptions were exhibited by several manufacturers; also soaps (plain and toilet), stearine, and candles. An assortment of leathers and boot-uppers, with rugs, and skins of indigenous animals, represented the tanning industry. Agricultural implement makers showed strippers, corn-crushers, chaff-cutters, reapers, ploughs, &c.; and coopers made a good display of casks, vats, churns, cheese vats, grape mills, &c. Some good specimens of steam-made Manila rope, and rope made from New Zealand hemp, vouched for the establishment of that industry; and coachbuilders were represented by a landau, a barouche, a phaeton, and several buggies. Textile fabrics are not being manufactured in South Australia as yet, but efforts are being made to introduce such industries; and exhibits of flax and raw and reeled silk were made by the Adelaide Chamber of Manufactures and two silk-breeders. Boots and shoes of various sorts and qualities were the only exhibits in the class of clothing for both sexes. The industries in vogue among the aborigines were represented by a collection of native implements, ornaments, &c., from the Northern Territory, and exhibited by the South Australian Commissioners. The residue of the exhibits consisted of specimens of kindergarten and other work of children taught in model schools, some samples of printing and bookbinding, models of fruit, &c.; likewise samples of ladies' fancy work, arranged in a Ladies' Court.

THE TASMANIAN COURT.

The Tasmanian Court was entered from the central avenue, and adjoined the New South Wales Court. Though circumscribed in area, and deficient in some exhibits that might certainly have been expected to be there, it nevertheless contained a number of exhibits of interest, which attracted much attention, in addition to the staple productions, which were of paramount importance. Taking them in the order of classification, the first to claim notice was a case containing sixteen literary works, written and artistically illustrated by Mrs. L. A. Meredith, and nearly all devoted to the natural and social history of Tasmania. The cabinet-makers and joiners in Tasmania did not avail themselves of the opportunity afforded them to make a display of furniture manufactured from the beautiful timbers so suitable for that purpose. There were a few exhibits of the tops of small fancy tables, which, besides displaying the fine grain of the wood used, also served to show the artistic skill of various ladies in portraying native birds, flowers, and other drawings with which they were ornamented. Of pottery some fair specimens were shown from the works of Mr. Cornwell, near Launceston. Basket-work in variety was sent by two firms, with samples of their raw material. The manufacture of woollen goods has been commenced, and to an exhibit of the products of that industry the *Age* referred as follows:—"One of the most valuable exhibits is that of Messrs. Bulman and Johnston, of the Waverley Woollen Mills, St. Leonards, which comprises tweeds, shawls, blankets, and flannels of good quality. There is also shown in the collection a roll of cloth similar to that of which the tunics of the Rifle Regiment were made. Some excellent woollen shawls also formed part of the firm's collection." In lace, embroidery, &c., a number of ladies proved their efficiency, their samples being very creditable to their ingenuity and assiduity. The extensive and almost exhaustless forests of the island constitute one of the most important sources of wealth to its inhabitants, as the good quality of the Tasmanian timber and its adaptation for house and shipbuilding, the manufacture of furniture, carriages, &c., is widely known. "The blue gum (*Eucalyptus globulus*), stringy bark gum (*E. obliqua*), white or swamp gum (*E. viminalis*), peppermint (*E. amygdalina*), beech (*Fagus Cunninghami*), Huon pine (*Dacrydium Franklani*), celery-topped pine (*Phyllocladus arhomboidealis*), blackwood (*Acacia melanoxylon*), and silver wattle (*Acacia dealbata*)," the *Age* remarked, "are extensively used, and most of them largely exported, besides many other woods of an ornamental character, the annual value of timber exported amounting to over £70,000, and of wattle bark £40,000. The Commissioners exhibit specimens of timbers and veneers, the Royal Society veneers of Tasmanian woods. Various other exhibitors send timbers, including samples of railway sleepers, casks made of blackwood, gum from the Oyster Bay pine, and bark." A large trophy of the most valuable descriptions of timber was erected in the open air by Mr. J. E. Risby, of Hobart, and was a good collection of hardwoods. In connection with the timber, mention should be made of a whaleboat built of Huon pine. It occupied the most conspicuous position in the court. Its length was 33 feet, and it was built by Mr. L. Macquarie, of Hobart, to the order of the Hon. A. Macgregor, M.L.C. It was fitted with harpoons, lances, ropes, and all other requisite gear for active service. Mr. Macgregor also exhibited sperm oil and spermaceti. Although whaling is not now embarked in to the same extent as formerly, there was £14,000 worth of sperm oil exported from Hobart in 1879. Staves of blackwood belong to the timber department; and how they are utilised in the manufacture of large and strong oil casks was shown by gigantic butts from the cooperages of Messrs. Johnston and Burgoyne, of Hobart. Wool is one great source from whence the financial prosperity of Tasmania is derived, and many years since the wool-growers of the island formed flocks which have materially aided in perfecting sheep-breeding throughout the Australian colonies. The breeding of high-class

sheep is still sedulously carried on, and an excellent display in various classes was made by Messrs. W. Gibson and Son, G. W. Keach, J. Gibson, T. Parramore, C. Headlam, G. F. Thirkell, and W. H. Gibson. In 1879 there were 7,585,002 lbs. of wool, valued at £407,227, exported from the colony; and great numbers of valuable pure stud sheep form another valuable export. There are large districts well adapted for the growth of cereals, and several exhibits of that class showed that they could be produced in great variety and of excellent quality. Farmers displayed wheat, barley, oats, peas, and beans; and millers showed flour, oatmeal, pearl barley, split peas, &c. The hop-growing industry of the colony, which has its centre on the Derwent, near New Norfolk, is one to which especial importance was attached, and there was a large display of the products which are well known in both the English and colonial markets. In 1879, 548 acres were under cultivation, of which 738,616 lbs., valued at £46,164, was the value. The export amounted to 558,622 lbs., worth £26,512. "Messrs. Shoobridge Bros., of Valleyfield and Bushy Park, who were among the first to embark in the enterprise, have," says the *Age*, "prosecuted the venture with considerable success, and their brands are highly thought of by the consumers. They forwarded a large parcel for exhibition. Near it were others from Mr. R. C. Read, of Redlands, W. C. Sharland, T. Allwright, R. Jeffrey, Downie and Co., J. A. Moore, R. and T. Nicholson. All the exhibits were of last season's growth, and in that division, above all others, it might be said the collection was complete." Fruit is produced in large quantities in the colony, and there are several important preserving establishments at which jams and other preserves are prepared, chiefly for exportation. But although this has been regarded as one of the wealth-producing industries of Tasmania, upon this occasion the exhibits were very small, not one of the large manufacturers making any entries. Of dairy produce, there were some fair exhibits of cheese, hams, and bacon, placed at the special shows of those articles held in the Exhibition building. Of ales and beer, several samples, both in bulk and bottle, were sent from breweries at Hobart, Launceston, and Longford, prominent amongst them being the ale from Degrares' Cascade Brewery, which is situated at the foot of Mount Wellington, near Hobart. Other fermented drinks consisted of gooseberry wine, grape wine, and cider. In addition to timber, the island abounds with stone and other materials for building. Freestone abounds in many localities, as Hobart and its vicinity, Oatlands, Ross, Brighton, and other places inland, and at Spring Bay on the east coast. The most noticeable exhibits of this material were a trophy prepared for the Commissioners for Tasmania, showing specimens from numerous proved quarries, and also blocks of marble granite and limestone; another trophy of freestone, from Teatree, near Brighton, exhibited by Mr. Ripon Shield, of Hobart; also a large block of freestone, shown by Messrs. Pearson and Downie, of Spring Bay—stone much used in Victorian public buildings. Mr. Robinson, of Okehampton, exhibited grindstones, and also Devonian marble, quarried in Maria Island. Messrs. Lyell and Gowan, of Melbourne, had specimens of black marble and roofing slates, the latter from the quarry of the Australasian Slate Co., at Tam O'Shanter Bay, on the north coast of the island. Mining has been greatly developed in Tasmania of late years, and must be more so in the future, as the country abounds in metals and minerals. Gold has been mined for since 1870, and in 1879 about two thousand persons were engaged in gold-mining, and the value of the plant was £60,200. The yield of gold for 1879 was 60,155 ozs., of the value of £230,895. Tin is of equal importance to the Tasmanians, as immense deposits of the ore have been found; and the value of the tin and tin ore exported in 1879 was £299,178. It was first discovered in 1873, and the trophy of ingots of tin, from ore obtained chiefly from the Mount Bischoff Co's. mine in the north-west, and smelted at Launceston, erected at the entrance to the Tasmanian Court, evinced the vast progress that has since been made in that branch of mining. Lodes of copper and lead, both rich in silver, are known to exist, with bismuth and other metals, but little has been done towards developing their extent. In connection with lead should be noticed an exhibit of shot that was placed at the entrance to the court. It was made at the shot tower of Mr. Jas. G. Moir, in Queenborough Glen, near Brown's River, a few miles south of Hobart, and was a sample of chilled, or hardened, as well as patent shot, of all sizes. Iron ore deposits are found at numerous places, but although coal and limestone abound, the smelting of iron has not yet proved a commercial success. Coal, both anthracite and bituminous, is found in nearly all the settled districts of the colony, and a few samples were exhibited. The aboriginal inhabitants of the colony, the last of whom died a few years ago, were remembered by the Commission, who showed a picture by Mr. Joseph Dowling, of Launceston, of a group of the natives of the different portions of the island, with photograph casts and busts of William Lanne, the last man, and Truganini, better known as "The Queen," the final representative of the race. Works of art, illustrating some of the beautiful scenery of the colony, were contributed by Mr. Piguent, of Hobart; Miss Piguent, Miss Kate Higgs, of Launceston; Mr. J. Higgs, Chudleigh; Mr. R. P. Beauchamp, Launceston, and other artists; and Mrs. Meredith, in addition to her literary works, had a water-colour painting, "Mountain Memory." Miss Emily Sherwin, of Launceston, contributed pencil drawings of heads; and Messrs. Winter, Anson, Burrowes, Bailey, and Wherritt, of Hobart, and Zuromer, of Launceston, furnished a collection of photographs, including both portraits and scenery.

THE VICTORIAN COURT.

The Victorian people having organised the Exhibition, and being the hosts of the exhibitors from all other parts of the world, determined and successful efforts were made to render their display of arts, manufactures, and products worthy of the colony. The arrangement of their multifarious exhibits necessitated the occupation of a large space, and in the division of the available area the largest allotment was apportioned to Victoria. This, however, was scarcely sufficient, as every part of the floor was occupied with trophies, or cases in which the multitudinous products and manufactures of the colony were exhibited; and to arrange all those with due attention to classification, and leave free access for the visitors, was a task of extreme difficulty. It was accomplished, however, in a very satisfactory manner, as was stated by the daily journals.

That section of the Victorian Court placed in the northern portion of the west transept was devoted to a great variety of classes. Proceeding from the vacant space under the dome, on which one point of the court abutted, were exhibits of embossed glass, by Messrs. Brooks, Robinson and Co.; billiard tables and all appliances, from the manufactory of Messrs. Alcock and Co.; and a variety of jewellery, clocks, watches, and scientific instruments, from the establishments of T. Gaunt, Joseph Bros., Kilpatrick and Co., Denis Bros., Edwards and Kaul, and other firms. Messrs. Moubray, Rowan and Hicks had a handsome display of costumes, and in the vicinity thereof were exhibits of clothing of all descriptions, and suitable for all classes of wearers. The woollen manufactures of the colony were well represented by the tweeds, blankets, shawls, flannels, shirtings, &c., from the Melbourne Woollen Mill Co., the mills of the Victorian Woollen and Cloth Manufacturing Co., the Albion Woollen Mill Co., the Barwon Woollen Mill Co., the Ballarat Woollen Co., the Castlemaine Woollen Co., &c. The Albion Company were recommended for the Emperor of Germany's prize. A large display of hats and caps of all patterns was made by Messrs. Shelmerdine and Co. and L. Stevenson and Sons, and conspicuous amongst the exhibits of men's and youths' clothing were those of the Monster Clothing Co., the Beehive Clothing Co., E. Oakley, Cantor and Loel, and other firms. Messrs. Shelmerdine and Co. were recommended for the Emperor of Germany's prize. The industry—yet in its infancy—of silk-producing was represented by several interesting exhibits. Stationery and bookbinding were displayed by the firms of Messrs. Sands and M'Dougall, W. Detmold, Cowan and Co., Ramsden's Paper Mills, &c.; and printing and books by Messrs. Mason, Firth and M'Cutcheon, M'Carron, Bird and Co., Arnall and Jackson, &c. Messrs. Sands and M'Dougall were recommended for the Emperor of Germany's prize. The photographers of Melbourne also showed their productions in this part of the court, the firms exhibiting being Messrs. N. Caire, Foster and Martin, Grant and Cameron, Johnstone, O'Shannessy and Co., J. W. Lindt, and C. Nettleton.

Passing through the northern transept into the central avenue of the main annexe, the largest portion of the Victorian court was situated immediately on the right or eastern side. The whole of the frontage to the main avenue was occupied by large, elegantly built trophies for exhibiting the products of a number of leading manufacturers. The first encountered was the lofty case of polished wood, glass-panelled, of Messrs. Swallow and Ariell, in which was displayed every variety of the biscuits and cakes made in their establishment at Sandridge. Messrs. Swallow and Ariell were recommended for the Emperor of Germany's prize. Behind this case, and extending eastward, were the handsome trophy cases of Messrs. T. B. Guest and Co., J. H. Walker and Son, and C. T. Newman, filled with choice productions of similar character. Alongside of the biscuit trophies was that of the Victoria Sugar Co., whose works are situated at Yarraville, near Melbourne. Of this company's works and operations the *Argus* remarked:—"The refinery was erected at a cost of £210,000, and it employs 200 men and boys. The hold which the company has obtained on the market may be indicated by the fact that, whilst our home consumption and export trade is estimated at 750 tons per week, between 350 and 400 tons of that quantity is melted and refined in their works. The bulk of their sugar is consumed locally, but they do a considerable business with New Zealand, Tasmania, and South Australia." The exhibits of furniture were next in order, the foremost position being accorded to Messrs. W. H. Rocke and Co. Their main exhibit was a square bed-chamber, furnished and decorated in the combined Renaissance and Adams' style. The floor was inlaid of blackwood and Huon-pine woods, forming an elegant piece of parquetry work. Messrs. Rocke and Co. were recommended for the Emperor of Germany's prize. The outside of the walls was also decorated and furnished, so that each represented the side of a room fitted up and furnished in a costly manner. Of the value of the whole exhibit some estimate may be formed from the fact that £330 was the cost of the parquet floor alone. Immediately in the rear of the foregoing were displays of useful and costly furniture made by Wallach Bros., Steinfeld and Levinson, J. M'Ewan, and Cohen Bros. and Co.; and the dining and drawing suites shown by them were also very costly, and valuable illustrations of the enterprise, taste, and skill of Victorian manufacturers and their workmen. In this department also M'Lean Bros. and Rigg exhibited iron-framed chairs, elegantly upholstered, intended for use in theatres, concert-rooms, &c. Cases of chemicals and medicines next faced

the central avenue, one of Mr. J. Bosisto, M.L.A., being conspicuous, as showing eucalyptus and other oils and products of value, extracted from the indigenous trees and shrubs of the colony. Mr. Bosisto was recommended for the Emperor of Germany's prize. The peculiar trophies of the Apollo Stearine Candle Co. and Messrs. J. Kitchen and Sons were next in order. They were each in form of a pavilion, the columns and canopies of which were of an elaborate character, and the whole richly ornamented architecturally, and with a number of statues, &c. The material had the appearance of pure white marble, but it was all modelled in pure stearine. Messrs. Kitchen's trophy was, however, protected by a handsome glass case, the frames of which were cedar and blackwood. About one hundred descriptions of candles were shown, and a large variety of soaps, with oils, purified glycerine, and other products of the stearine industry. The Apollo Co. dispensed with the use of wood, even for frames for the plate-glass, which were of stearine only. The structure was profusely decorated with statues, &c., and the various portions required nearly four hundred separate castings in stearine. The candles displayed were very numerous, embracing every kind made; and not only of stearine, but also paraffin, spermaceti, wax, ozokerit, and composite. Bottles containing crude glycerine, oleine for lubricating, oleinic acid, and other products of this manufacture, were also placed about the case; and at one end thereof a smaller temple, modelled in various soaps, showed a large variety of excellent transparent glycerine and other soaps. In front of these trophies were the elaborately ornamented cases of Capper and Co. and Lewis and Whitty, with blacking, blue, knife-polish, &c. In the same square the Red Cross Preserving Co. made a grand display in and about an immense trophy enclosed in glass—pyramids of jams, jellies, pickles, and sauces, with numerous kinds of condiments, brought the well-known productions of the company prominently forward before the visitors. The manufactory of this company, situated in the suburban city of Prahran, is one of the most complete and extensive of the class, and is fitted up with machinery and appliances of the most modern and improved character. The quality and quantity of the articles produced are such that not only has the importation of pickles and preserves of other countries been most materially lessened, but large consignments of the company's manufactures are forwarded to other lands. Last year the company made and sold 20,000 cases of jams, besides jellies, marmalade, tart fruits, bottled fruits, candied peels, pickles, sauces, and vinegars. The fruit used is grown in the colonies, chiefly in Victoria, but large quantities, especially of raspberries, are brought from Tasmania. Employment is found for numbers of men, women, boys, and girls, in preserving and pickling, in the manufacture of tins and cases, and in labelling, packing, &c. Exhibits of a cognate character were made by Cunliffe and Paterson, the Dunolly Fruit Preserving Co., T. Hogg (Lilydale), W. P. Brown (Malvern), and several others. In immediate proximity was the display made by Messrs. R. Harper and Co. In the centre, in artistically designed cases, were a variety of raw products, such as coffee beans, cocoa, rice in the husk, oats, maize, &c.; and at other parts of the allotted space were pyramids of handsomely-labelled tins and boxes of coffee, chicory, and cocoa, oatmeal, maizena, arrowroot, fancy packets of mixed spices, mustard, &c. The exhibits were so arranged as to show in each class the raw material and the various stages through which it passed in course of manufacture. In a smaller case in the vicinity the firm of Parsons Bros. showed more than one hundred varieties of the same kinds of articles, also illustrative of the manufacturing processes. A like display was also made by J. F. Mackenzie and Co.; the difference between the exhibits of Messrs. Harper and the last-named firms being in the quantity shown, caused by the limited spaces allotted to the latter. The farinaceous preparations of the three firms were rivalled by G. Bencraft and Co.'s exhibits of pearl barley, oatmeal, maizemeal, brosemeal, groats, &c.; and by maizena and starch from the Kensington Maizena and Starch Co.

The last frontage of the Victorian Court in the central avenue was that of the wine court. Here were arranged sample bottles of the wines produced in many of the colonial vineyards, those from the northern districts being shelved on the north wall, and the southern on the south wall. In the centre were trophies, that of St. Hubert's Vineyard being conspicuous for a ground plan of the vineyard and grounds plotted on the bottom of a section of a cask, and the surrounding landscape painted on the short staves. The wines stored in the court were samples of all classes produced in the colony, the principal being from the Bendigo Wine-growers' Association, the St. Hubert's, Emu Creek, Echuca, and Chateau Tahbilk vineyards, and from the stores of Caldwell and Co., Dr. L. L. Smith, A. Joske, &c. The entrance to the court was appropriately flanked by enormous vats, exhibited by C. Brache, a wine merchant. Great facilities were given by the Exhibition authorities to the producers of colonial wine. In addition to the court devoted to their industry in the main annexe, there was a large bar in the cellar, at which the wines of those makers which had met with the approval of the Wine Committee were offered for sale. It was felt that the exhibition of wine in a bottle, or beer in a cask, afforded very little insight into the taste or quality of its contents, and that the only way to bring the wines produced in this country before the visitors to the Exhibition was to have them on sale, both in the wine-bars and the refreshment-room. The policy of the Commissioners was entirely successful; and there can be no doubt that the Exhibition did a great deal

to increase the reputation previously enjoyed by Australian wines. The verdict of the foreign exhibitors was uniformly very flattering. Some disappointment arose from the International Jury placing no Australian wines in the first class, although many of them had received gold medals at the recent Paris Exhibition. The explanation is very simple. The jury had before them samples of the finest vintages of France and Germany—clarets, burgundy, champagnes, and hocks—wines which can scarcely be termed wines of commerce, and are only met with on the tables of sovereigns and great financiers, and they conferred the gold medals, with one or two exceptions, on these choice wines. Nineteen went to France and six to Germany, but none were awarded to Austria, Italy, Spain, Portugal, or to the products of any British colony. In the second rank were placed the bulk of the best foreign wines, together with six samples of wine from New South Wales, two from South Australia, and eleven from Victoria. The successful vinegrowers of New South Wales were Mr. A. Munro and Mr. J. Kilman; those of South Australia, Mr. Auld and Mr. Jacob; those of Victoria, Mr. R. Kulle, Mr. J. S. Johnston, Mr. Henry Best, Messrs. de Castella and Rowan, Mr. Carl Pohl, Mr. Albert Bruhn, Mr. F. Grosse, and Dr. L. L. Smith, the latter obtaining the prize for a sparkling champagne called *Crème de Bouzie*. This was the first occasion that Australian champagne was ever shown at any exhibition, and it demonstrated the fact that champagne may be successfully made in this country. Dr. L. L. Smith's *Crème de Bouzie* was only beaten by one German sparkling wine—Dietrich and Co.'s hock—and in champagnes, by one brand of Roederer's and one of Clicquot's. The *Crème de Bouzie* was placed in the same category with the champagnes of Pesse, Thirion and Co., H. Goulet, and Krug; with the sparkling hocks of Lang, Meyer and Coblenz, Kupferberg, Lauteren, and several other makers; and in a higher class than many French and German champagnes, including those of houses so well known as Perrier, Fils and Co., and Bouchard Père et Fils. The wines of De Castella and Rowan, St. Hubert's, Lillydale, were recommended for the Emperor of Germany's prize, after a very keen competition with those of Mr. A. Munro, of Singleton, New South Wales; and Professor Reuleaux, the Commissioner for Germany, decided upon awarding the glittering trophy to Messrs. De Castella and Rowan. In the rear of the wine court were the exhibits of ale and porter, the production of the most noted breweries in the metropolis and elsewhere. These were both in bulk and in bottles, the latter being on shelves down the sides of the court. The firms exhibiting were T. Aitken, Victoria Parade; Baynes and Hearne, Wangaratta; G. Billson, Beechworth; Boyd and Head, Collingwood; P. Coyle, Royal Mint Brewery; Fitzgerald and Perrins, Castlemaine; Hennelly and Co.; Hornby, W., Williamstown; E. Latham, Carlton; M'Bride and Martin, West Melbourne; R. M'Cracken and Co.; Marks and Co., Maldon; P. J. Martin, Australian Brewery; F. Taeytow, Williamstown; J. Tracy, West End; Victoria Brewery, Wangaratta; J. Wood and Son, Collingwood. At the rear of Messrs. Harper's exhibit were the confectionery trophies of the Victorian Confectionery Co., Dillon and Burrowes, and Salvatore Lezza. Cunliffe and Patterson, F. Mellon, of Dunolly, and others, showed jams, jellies, and other preserves; cordials, essences, spices, &c., by T. Macgregor and P. G. Dixon; vinegar from the Standard Vinegar Works of E. Gutheil, and also from H. Reed and Co. Brushware in endless variety, whether for domestic or toilet purposes, or for use by mechanics and labourers, were shown by J. Zevenboom, Zevenboom and Thompson, A. Bryse, and Porteous and Gibaud. Victoria abounds with animals covered with fur, and there was a fine display of rugs, mats, muffs, and articles of clothing manufactured from their skins. The principal exhibitors of these beautiful products of furriery were Mrs. W. H. Bailey, J. R. Clarke, J. R. Green, J. Keown, T. Lodge, G. Moss, M. Nettleburg, and J. Schofield and Co. The display made by tanners and curriers was worthy of that important branch of Victorian industry. Mr. D. Altson had a large collection of the different kinds of leather required for harness and saddlery, and also for belting, the principal being for black harness and brown and stained rein leather, all made at his tannery in Flemington, near Melbourne. Brearley Bros. showed numerous kinds suited more especially for boot and shoe makers, and suitable for both heavy and fine work. These were made at their tannery on the banks of the River Barwon, below Geelong, where there are appliances for tanning an immense number of hides every week. Their list of exhibits comprised about twenty-five distinct kinds, including black and brown coach and bridle leather, waxed and grained kip; brown, black, and stained kangaroo leather, waxed calf, &c. Michaelis, Hallenstein and Co., of Footscray, had a similar assortment on view. There were also two tanned hides hung up to show how the skins were easily rendered valueless—the one by indiscriminate and inordinate branding, and the other by the careless use of the knife by the butcher. J. Dixon and Co., of Hotham, had a fine display of japanned, enamelled, coloured, and other leathers. J. B. Hayman, Collingwood, had a good and extensive assortment of leathers, made at his establishment. Equally praiseworthy collections were set out by other metropolitan and country tanners, including G. Cunnack, Castlemaine, and J. H. Abbott and Co., Sandhurst. A trophy erected by Wallis and Co., of Richmond, showed a variety of useful leathers, variously coloured, for bookbinding; calfskin for bootmaking, and a number of skins tanned with the hair on.

Intimately connected with the manufacture of leather is the boot and shoe industry, which is now carried on in Melbourne and the suburbs on a large scale, both in private houses and in

factories. The latter number nearly 100, and employment is furnished therein to about 3300 persons. The manufacture of those indispensable articles has most materially lessened their importation, that of the commoner descriptions of boots and shoes having literally ceased. The prices are very low, as the materials are produced in the colony. The industry being one of the most advanced in Victoria, the show made by the exhibitors was of a very superior character, and was thus referred to by the *Argus*:—"The exhibits in this class are placed near the leathers, and include some handsome cases of first-class articles. Fine collections of boots and shoes are shown by Messrs. J. Harris and Sons, of Flinders-lane; Mr. J. Coutie, of Elizabeth-street; Mr. J. Storer, of Bourke-street; Mr. J. M'Guigan, of Elizabeth-street; and Mr. T. Robinson, of Ryrie-street, Collingwood. Boots and shoes, including ladies' hessian, court, and jockey boots, are exhibited by Mr. John Rosier, Swanston-street; hand-sewn boots and shoes, including highly-finished boots, by Mr. Geo. Jeffries, of Little Flinders-street; ladies' and gentlemen's boots and shoes, by Mr. J. C. Ashford, of Buckingham-street, Richmond; coursing and riding boots by Mr. P. Thomas, of Collins-street East; boots, shoes, and slippers by Mr. T. F. Nicholls, of Polytechnic-lane, Bourke-street; and ladies' boots and shoes, very prettily ornamented, by Mr. J. H. Wynne, of Leicester-street, Fitzroy. Plain and fancy boots and shoes, as also uppers, represent the firm of Messrs. M'Bean and Hickmer, Smith-street, Fitzroy; and a nice assortment of boots and shoes for children and adults is shown by Messrs. Drew and Slatter. Hand-made uppers for sea boots and ladies' riding boots will be found amongst the exhibits of Mr. H. Duncan, of Little Latrobe-street; and Mr. A. Dennis, of Post-office-place, has also a large and varied assortment of boot uppers. A further collection of substantially made boots and shoes, made by the inmates of the Deaf and Dumb Institution, is also exhibited." Harness and saddlery were well represented, and articles of costly and very ornamental workmanship, as well as others required for ordinary every-day use, were to be found in the display. Mr. D. Altson's glass case comprised sets of carriage harness for four horses, suitable for private coaches; buggy, waggonette, and Scotch dray-harness; saddles for ladies and gentlemen, racing and bush saddles, and sets of tackling for blood and Clydesdale entires. Another of his specialties was belting in rolls, some being eight inches wide and three-fourths of an inch thick, and other sizes down to the smallest size used for sewing machines. Of another belting exhibit the *Argus* thus reported:—"J. Munday, Geelong, exhibits a quantity of belt leather, tanned and made up at his own factory. The belts are arranged in graduated thicknesses and sizes from powerful three-ply belt fifteen inches across, up to the smallest belts in use. Round the sides are some immense rolls, and one, measuring thirty-six inches across, is the largest specimen in the Exhibition. Other exhibits of harness and collars were made by Gregg and Lord, W. Kermode, T. J. Potter, and Guthridge, Power and Co., all of Melbourne, and G. Kinnear, of Kilmore. Whips of all descriptions, from the light ornamented riding and driving whips, to the long heavy stockwhips for drovers, were shown by J. Kingston, Kennon and Son, J. Timming, A. Brooks, and other skilled manufacturers. Of leather trunks and portmanteaus, the largest exhibit was by Pausacker, Evans and Co., of Melbourne, who had a case containing all kinds of leather trunks, portmanteaus, and travelling bags in black and brown leather. They were all of the best material and well made, as were also those displayed by Jackson and M'Ewan, J. J. Leighton, J. Curtis, and other Melbourne tradesmen.

Amongst the most flourishing trades in Victoria are those of the coachbuilder and the cart and wheelwright, and a late estimate states that at least 1600 work-people are employed at the numerous establishments in Victoria for the manufacture of such articles, and that the value of the plant and buildings utilised in the trades is nearly a quarter of a million of pounds sterling. In the earlier days of the colony rough drays, carts, and waggons were the only vehicles made here, and all of a lighter description were imported. Gradually the manufacture of buggies and light conveyances, mostly of the American type, was essayed, and successfully; and now coachbuilding has attained such a position in all parts of the colony that importation of even the most ornate carriages has almost ceased, and most of the raw materials are produced here. The vehicles exhibited by Victorian coachbuilders were noticeable for the excellence of the materials used, the very superior character of the workmanship expended upon them, the adaptation in construction of the most modern improvements, and the general beauty of the designs. Comparison with carriages from European countries showed that in all the foregoing particulars Victorian coachbuilders and their artisans of all classes could compete on an equality with the best makers in the northern hemisphere. Of exhibiting firms, the oldest, Stevenson and Elliot, had a light landau on C springs, and the hood fitted with the firm's patent automatic action, which enabled it to be raised or depressed by one of the occupants while the carriage was proceeding on its way. They had also a full-sized brougham, elegantly trimmed in morocco; and a stylish Stanhope phaeton, a handsome, well-finished vehicle. This firm was recommended for the Emperor of Germany's prize. W. Crutch and Co., of Latrobe-street, exhibited four vehicles—a landau, with self-acting top and various modern inventions and contrivances; a family barouche, the sole representative of that class of vehicle shown by a Victorian coachbuilder; a full-sized family brougham; and a Stanhope waggonette, without top. H. Samwells showed a Brett or shell phaeton, with extension hood; a light coal-box buggy of American pattern; a two-wheeled brougham on C springs, with double door and movable windows; an extension-top phaeton, to

carry four persons; and a business or pleasure waggon. F. Stickland's exhibit was a Victorian phaeton with extension-top, handsomely painted and trimmed. Burton and Sons had a Victorian hansom cab, the doors and windows of which were entirely under the control of the person inside; it had also ventilating windows at the rear, and the driver's footboard was fitted with a small tread which works an effective break. D. White exhibited a ladies' angular driving phaeton, and also a Stanhope phaeton with lever hood. These were useful, elegant, and stylish carriages. The Victorian Carriage Co., St. Kilda, had a handsome double brougham, built after the most modern English style by tradesmen who learned their business entirely in the colony. Another exhibit was a dogcart, with high wheels and very light body. Other exhibitors in this class were:—A. Sharpe, North Richmond; M. Williams and Sons, Collingwood; M'Donald and Sons, Hotham; Ewing Bros., Franklyn-street; J. Harvie, Richmond; Stephens Bros., Warrnambool; and Dickason Bros., Richmond, whose vehicles were all of similar descriptions to those enumerated, and equally deserving of meritorious mention for their intrinsic merits. A light racing sulky, with wheels constructed of metal, with light wires for spokes, like those of improved bicycles, was shown by the builders, J. Royal and Son, of Carlton, who had also a hose-reel with very light wheels of similar make.

Some of the most conspicuous trophies in this portion of the Victorian Court were those erected by five of the Melbourne tobacco manufacturers, and which were ranged in front of the principal refreshment bar. From an epitomised history of the growth and manufacture of this article published in the *Argus*, it appears that the industry was first started in Melbourne in 1853, the whole of the supply of raw material being then procured from America. In course of time farmers and others commenced to grow tobacco; and although at first the article produced was of little value, yet eventually the suitability of soil and climate and more careful cultivation so improved the products that manufacturers commenced to use them, and the colonial-grown tobacco is now largely patronised. Tobacco is grown in several parts of the colony, especially in the vicinity of the River Goulburn and other parts of the north-eastern district; also in the sheltered, warm valleys at the base of the Australian Alps, the alluvial flats of the River Ovens, and in Gippsland; and the annual production of dried leaf is now closely approaching one thousand tons. In the tobacco factories in operation employment is furnished for more than one thousand persons of both sexes and ages, and the value of the machinery in the factories is computed at over £50,000. The exhibiting firms were Dudgeon and Arnell, the Virginia Tobacco Manufacturing Co., Heinecke and Fox, Cameron Brothers and Co., and Moss, White and Co. Dudgeon and Arnell are a very old firm, and they use Victorian leaf very extensively in making aromatic twists; cakes in various sizes, qualities, and colours; and snuffs, plain, scented, and mixed. They employ about two hundred hands. The Virginia Tobacco Co. also manufacture largely from both Victorian and American leaf, and the quantities of cut tobaccos and snuffs that they prepare are very great. Heinecke and Fox, of the American Tobacco Works, commenced about nine years since, and have since then prepared over 2,250,000 lbs. of tobacco, in the form of tobaccos of various kinds, cigarettes, and snuffs. Cameron Brothers and Co., who opened their factory in 1876, have similar establishments in Sydney and Adelaide. In their trophy they displayed all varieties, shapes, and shades of pure manufactured and cut tobaccos, made from Victorian and Virginian leaf. This firm was recommended for the Emperor of Germany's prize. Moss, White and Co. displayed, in a lofty pyramidal case, an assortment of cake and cut tobaccos and aromatic tobaccos; also, cigars made from leaf grown at Havanna, Java, Manila, and Sumatra; and numerous kinds of plain and scented snuffs.

Boatbuilders made no display of boats for general use, but near the tobacco trophies were several racing boats of very superior workmanship. Mr. James Edwards, of Prince's-bridge, showed a one-streak eight-oared boat, fifty-six feet four inches long and two feet beam amidships. The skin was of Richmond River cedar, the timbers of English ash, and the fittings of Scotch spruce. The working portions of the slides were of lignum vitæ. The boat was built for speed, and combined buoyancy, lightness, and the smallest possible resistance to the water obtainable in a racing boat which was capable of carrying eight 12-stone men and a 6-stone coxswain. Mr. Edwards also exhibited a four-oared racing outrigger of a first-class order, and a variety of swivel rowlocks, sculls, and oars. Mr. W. Greenland, of Prince's-bridge, had some very admirable exhibits; for instance, a sculler's outrigger with latest improvements, and a four-oared racing outrigger.

Ropes, cordage, and twine were displayed by several manufacturers, in trophies erected along the extremity of the court. Messrs. J. Miller and Co. had a fine show of these articles, conspicuous amongst them being a hawser of huge dimensions. All intermediate sizes down to thin sewing and parcel twine were to be seen, including superior samples of Manila ropes for yachts, hemp ropes, and cordage of most descriptions. There was also a large quantity of jute mats and matting. This firm was recommended for the Emperor of Germany's prize. D. E. M'Dougal and Co., of the Australian Rope Factory, had good specimens of ropes made from Russian hemp, others of material from Manila or from New Zealand flax, and comprising most kinds in use. They also showed twines in variety, with halters and plough-lines and other articles used for agricultural purposes. Similar goods, with matting of New Zealand flax, were exhibited by J. M'Nalty, of Brunswick; and M. Donaghy, of

Geelong West, had fine specimens of twine, fishing-lines, ropes, &c., made of the same material.

The great number of Victorian manufacturers that require castings of brass and other metals has induced the organisation of factories where such articles can be produced, and the industry may be regarded as being in a flourishing condition. The most prominent display of brassfounders' goods was that of J. Danks, Melbourne. On a length of boarded wall were fixed brass castings in immense variety, and applicable as fittings for the supply of steam, water, gas, and numerous other purposes. Pumps were also shown in quantity, from the common iron lifting apparatus to the brass force and lift pump with single and double action, and the double and treble barrel pumps for deep wells. Sanitary-ware, as baths and lavatories, were also exhibited, and nickel and silver plated articles. Jenkins and Law had ironwork of superior quality, consisting of kitchen ranges, fenders, garden seats, chairs, hall-stands, &c. W. Hutchinson had a circular cast-iron staircase, with verandah pillars and fittings, balcony railings, and gates. The Victoria Rolling Mill had exhibits of rod, bar, angle, and riddle iron, tramrails, fish-bolts, and agricultural and engineering forgings. The scrap iron in its various stages of manufacture into those articles was also shown. Other exhibitors displayed masons' and bricklayers' tools, sheepshears, cutlery for butchers and curriers, shoemakers' tools, pewter goods, non-corroding taps, self-heating gas iron; well-finished bolts, nuts, and screws; glassblowers' tools, firemen's implements, and an almost endless variety of manufactures of equally necessary and useful character.

In wirework, Greer and Ashburner exhibited thirty samples of Victorian-woven wire, suitable for mining, milling, and agricultural purposes; flywire in copper, brass, and iron; fine brass cloth, for paper-making; also, articles in which these wire-wove fabrics were worked up. H. M'Intosh made a display of wire-work in an arbour, flower-baskets, bird-cages, dish covers, fire-guards, meat-safes, &c.; also, wire-cloth and window-blinds. P. Young had similar exhibits, and a specialty in crimped wire-work. Other exhibitors in this class were Crook and Busst, W. and G. Bowley, and J. Jones.

The materials for making bellows being all produced in the colony, that branch of industry has become well settled in Victoria. J. Porta and Sons had a choice assortment of their manufactures, comprising a 44-in. blacksmith's bellows, double-action blast bellows, and round portable forges, with bellows under the fire-pan. They had also fancy articles in many devices, some richly mounted and illuminated, with a very large variety of ornamental and plain work, including a bellows for sulphuring vines. Harrop Bros. had also an excellent collection of specimens of their manufactures, including smiths' bellows, double-action bellows, portable forges, &c.

Lamps of colonial manufacture were well represented in the Victorian Court. J. Paterson, of Melbourne, had a collection which included almost every kind of railway, ship, and carriage lamps, in which the latest improvements were adopted. There was also a lamp of very large size, intended for a lighthouse, and a number of very ornamental street lamps. J. W. Faul, of Sandhurst, had a number of large lamps, amongst which were a flashing lamp, lamps for the outside fronts of shops, and his "Comet" lamp, giving a powerful light for workmen engaged in attending to crushing plants, mining machinery, &c. For river steamers it was said to be admirably adapted, having been used on the Murray River steamers since 1876.

Kitchen ranges and stoves occupied a very creditable position amongst the manufactures of iron, and many of the exhibits evinced great power of invention, as well as taste and skill in perfecting the goods from the designs. M'Lean Bros. and Rigg showed a large kitchen range, constructed with all improvements and appliances, and smaller economical ranges. F. Pullinger had a number of similar exhibits, adapted for club-houses, restaurants, private families, and shipping. J. Nicholson had strong range boilers. A. Goby's charcoal stove for general cooking claimed the merit of greatly economising fuel. Cochrane and Scott had a patent colonial oven, with movable fire-place. Other exhibitors in this class were Wallis Bros. and Co., T. Williams, and W. Harnwell, and from Geelong, J. Parker and E. Backwell. Patent gas cooking-stoves of numerous kinds were displayed by A. R. Walker, S. E. Jeans, Wallis Bros. and Co. Mr. Jeans had patent stoves of this class capable of cooking for one hundred persons, and portable water-heaters that could supply two gallons per minute for baths. A. R. Walker also showed an apparatus that in two minutes from the time of lighting the gas would furnish for a bath a stream of water heated to 150 deg. fahrenheit. All the exhibits in this class attracted great attention.

Manufactures of tinware, plain and japanned, were shown in great variety. The pyramidal trophy of Hughes and Harvey contained tin and galvanised iron goods of a common class, arranged round the base; while above them were handsomely designed, well japanned, and artistically ornamented coffee boxes, grocers' canisters, syrup cans, ornate toiletware, &c. This firm also exhibited washing boilers stamped out of one piece of copper, dairy utensils in tin and brass, and Bessemer steel bonnet-boxes and travelling trunks. Alfred Shaw and Co. displayed a good assortment of grocers' canisters, toilet ware, coal scoops, watering cans, stamped tinware, coffee and teapots, candlesticks, hat boxes, travelling cases, cash boxes, &c. Similar goods were also shown on the stands of W. Radford and T. J. Connelly.

The Melbourne Lead Works were established in 1861, and can turn out fifty tons of sheet lead and fifteen tons of pipes per week. The exhibits consisted of milled or rolled sheet lead, rolled between two iron cylinders weighing four tons each, on an iron frame 8 ft. wide and 84 ft. long. Generally the finished sheets are about 33 ft. by 8 ft., and weigh from 4 lbs. to 6 lbs. per square foot. The pipes were of lead, tin, or a composition of lead and tin, for gaspipes, and there were lead tubing for bell-wires and lead wire. The piping is made by hydraulic pressure. The cost of these works was about £10,000.

Another industrial pursuit of great importance to Victoria as a wine-producing country, is that of the cooper. The materials for the manufacture of barrels, casks, and vats are to be found in immense quantities, but for the more important classes of work staves, &c., are imported. Concerning the display made at the Melbourne Exhibition, the *Argus* says:—"An admirable show is made by Mr. G. Bonnetti, of Spring-street, of wine casks and vats, spirit casks and kegs, brewers' puncheons and hogsheads, beef and tallow casks, wash tubs, a variety of butter churns and tubs after the American style, cheese vats, and every other description of cooperage. Rivalling this display is that of Messrs. Gray, Waring and Co., of the Phoenix Steam Cooperage, Prince's-bridge, who show huge oval casks bent by steam power and free from blisters, and of uniform thickness, as is illustrated by a sample stave. They also have brewers' casks and other specimens of their manufacture. Immense round casks and wine vats, made from the best American white oak, are contributed by Messrs. A. and R. Caughey, Yarra-bank, the staves of which are 6 ft. 4 in. in length. Some excellent specimens of cooperage have also been forwarded by Mr. T. Webber, of Geelong." In proximity to the above, J. Perry had a unique trophy of bent woods. The exhibits were all specimens of work done at Mr. Perry's steam bending mills, and consisted of articles used in carriage building, wood for hames and saddle-trees, rims for circular sieves and riddles, handles for spades, shovels, forks, picks, hammers, &c. Surrounding the foregoing were washing-machines of several kinds, all possessing merit; mangles, dairy utensils, and a great variety of other useful goods, as safety steps, rakes, trucks, washing-boards, &c.

The heat of the climate in summer renders the use of ice rather a necessity than a luxury, and there are two ice-making companies in Melbourne, which have constructed works fitted with the newest and best machinery for the supply of the large demand. Following in this there is a constant demand for ice safes and chests, which has been met by the Colonial Manufacturing Co., which exhibited a pyramid of safes, refrigerators, and cellarets for club-houses, hotels, families, &c.

Glassmaking has not been very long included among the established manufactures of Victoria, and the goods exhibited were chiefly of a common description. The Australian Glass Manufacturing Co., and Thomas and Richardson, of Hotham, had each considerable assortments of articles of general utility, such as lamp glasses and globes, tumblers, wine glasses, and decanters. The Melbourne Glass Bottle Works Co., of Emerald Hill, had a stand of green glass bottles, of the sorts required by jelly and pickle manufacturers, chemists, &c.; and G. Wilson and Co. showed patent stoppered bottles for aerated waters. As a branch of this industry S. Floyd had a lathe fitted up, at which the art of glass-cutting was shown, and fancy glass and philosophical instruments in glass were exhibited by Woodroffe's glassblowers.

The manufacture of stoneware and earthenware is also in its infancy in Victoria, but has somewhat advanced. Concerning them the *Argus* reported:—"The very superior samples of china and stoneware shown by the Yarraville Pottery Works will take most people by surprise. Large assortments of earthenware and terra-cotta work are shown by the Brunswick potteries. Mr. Luke Nolan (Gillbrook Pottery, Brunswick) has a collection of Cain, Rockingham, and Chesterfield ware, and amongst his terra-cotta work is a large fern fount, of an original design. Mr. A. Cornwell, Brunswick Pottery, is the exhibitor of another extensive display of glazed earthenware and of large terra-cotta vases and ornamental work. He also shows clays, raw and prepared, for the manufacture of earthenware. Pretty Parian marble ornaments, well-made stoneware tea-cups, and superior-looking filters, will be noticed amongst the exhibits sent from the Bendigo Pottery. Glazed stoneware pipes, for water and agricultural purposes, are shown by several potteries. In this section of the court has also been erected a mosaic tile-work pavilion by Mr. H. A. Cawkwell, Malvern, which, on account of the quality of the tiles and the many patterns of mosaic work displayed, is well worthy of inspection." Seeds, fibres, and other vegetable productions were exhibited by the Director of the Botanic Gardens. There were 86 varieties of fibres, prepared from native and exotic plants growing in the gardens, some of them being dyed. Among chemicals and other extracts from native plants were samples of acetate of lime, acetic acid, wood vinegar, tars, potash, preserved olives and capers, olive and castor oil, coffee, arrowroot, &c. A collection of 1300 sorts was classified in show-cases, with 46 specimens of papers prepared from various plants, and 135 polished specimens of colonial woods. C. F. Creswell had a large assortment of seeds of native trees, shrubs, and flowers; R. U. Nicholls and Co., garden, vegetable, flower, shrub, and tree seeds in great variety; A. Lincolne, grain and other seeds, and cereals in sheaf. A number of exhibitors displayed Victorian-grown hops, and others showed malt made from colonial barley. Wheat and other cereals, and flour of excellent quality, were also placed for inspection by numerous growers and millers.

One of the most important divisions of the Victorian Court was that devoted to the mining

interest, and the display made was calculated to give a fair idea of the extent to which that industrial occupation is engaged in, and of the results obtained therefrom. The Department of Mines exhibited a huge gilded dodecahedron, which represented the total amount of the gold found in Victoria up to 30th June, 1880. The total of the enormous bulk of gold was 498,100,000 ozs., and the approximate value £1,992,400,000. The department also displayed several geological maps of the colony of recent compilation, and a large and comprehensive collection of rocks, minerals, and fossils, illustrative of the geology, mineralogy, and mining resources of the colony. The collection was arranged under the direction of Mr. T. Couchman, C.E., secretary for mines, by Messrs. R. A. F. Murray, geological surveyor, and R. D. Duncan. It comprised specimens from the older igneous or plutonic rocks, newer igneous or volcanic rocks, metamorphic rocks, lower palæozoic, upper palæozoic, mesozoic rocks and coals, tertiary rocks, fossil fruit, minerals, and metals. An interesting part of the collection was a number of cores of metamorphic schist, basalt, silurian slate, sandstone, and shale, obtained by boring with the diamond drill for gold or coal in various parts of the colony. There was also a collection of *fac-similes* of large nuggets of gold found in Victoria, which included the Welcome nugget found at Ballarat in 1858, the gross weight of which was 2155 ozs., and was sold for £10,500; the Viscount Canterbury nugget, 1121 ozs.; the Precious nugget, 1717 ozs.; and numerous others. In the special exhibits were specimens of auriferous quartz, pyrites, tailings, cement, and washdirt, with samples of the gold obtained therefrom, with ores of tin, lead, copper, antimony, iron, and manganese. Coal samples from Colac, in the Western District, and from Moe, Kilcunda, Strezlecki Ranges, and other parts of Gippsland, lignite from Lal Lal and Gippsland, with building stones, limestones, kaolin, infusorial earth, &c., were also comprised in the departmental exhibits.

Of the display made by others than the mining department, the first place must be accorded to the collection supplied by the Sandhurst School of Mines and Industries, of which Mr. Alexander Bayne is president. The following is a description of them:—A gilded pyramid, which has a base of 9 ft. square, and a sloping side of 26 ft. It represented what gold had been taken out of the Bendigo goldfield from its opening in 1851 until the end of 1878. Each of the four cubes on which the pyramid rested simulated the precious metal yielded by the district during 1879, equal to 172,254 ozs., or £689,016; whilst the pyramid itself represented 11,000,000 ozs., or 336 tons 14½ cwts., valued at £44,000,000 sterling. A number of cakes of gold represented annual and fortnightly yields of some of the chief Bendigo mining companies, of which the following were examples:—

	Ozs.	dwt.	grs.	Value.
Great Extended Hustler's	71,593	15	17	£286,375
Garden Gully United	65,284	1	12	261,536
Johnson's Reef Gold Mining	19,950	10	0	79,802
North Old Chum	15,161	0	0	60,644
Pandora	17,319	10	12	69,278
Victory	20,597	12	0	82,390
Golden Fleece	17,265	9	0	69,062
Garden Gully United (ten weeks yield to tributers)	35,702	18	12	142,812
Great Extended Hustler's (fortnightly yields from tributors alone), 2399 ozs., 3900 ozs., 4012 ozs. 10 dwts., 3146 ozs., 2936 ozs. 8 dwts.				

There was a representation of a "saddle reef" on the model of an actual reef in the Sandhurst district, 23 ft. by 28 ft. high, and constructed of materials taken from the spot—viz., sandstone, slate, and auriferous quartz. The particular form of reef, although to be found elsewhere, was most characteristic of the Bendigo goldfield. The school also sent from its museum a very complete set of illustrations of mining appliances and processes, from the earliest forms up to the latest improvements; carefully constructed models of the alluvial "dolly," the bush, common, and saddle windlasses, and the Californian pump; the puddling-mill in very full detail; the horse-whip showing the arrangement of the pulleys, and other parts; whim made carefully to scale, and of the proportions suited for most effective work.

Model of the poppet heads and engine or above-ground portion of the claims made from those in use at Bendigo; model of portion of the shaft and turn-table, together with plans showing the working of the claims by means of vertical and cross sections, of the Great Extended Hustler's, Pandora, and Catherine Reef companies' mines; working models of a crushing battery driven by the electric current from one cell of Smee's with the assistance of a small electro-magnet; of winding engine and of perpendicular pumping engine with battery and pumps attached, worked by compressed air; another of the Victory and Pandora steam engine, with pumping and winding gear attached; Davidson's safety cage, as used at the Garden Gully United Company's; the old safety cage; small battery with an arrangement to rotate stampers; a steam hammer; Hendy's "Challenge" American one-feeder, devised to save labour, as by its use one boy can attend to the feeding of many sets of stampers. Models of J. H. Seymour's patents were also forwarded, consisting of patent safety cage, cam, pump joint, pump crank, disc, and safety hook. There was also a full-size Middleton's safety hook, and samples of stampers, discs, &c., as used at Bendigo, together with specimens of the iron

from which they had been made; a set of miners' tools, showing the implements used in mining and drilling through stone; samples illustrating the treatment of pyrites.

A very interesting case prepared by Mr. Hay Kirkwood illustrated the treatment of auriferous quartz; samples of stone from the various levels; samples of blanketings, tailings, pyrites, raw and roasted gold amalgam, retorted gold, and ingots of gold.

Some rich gold specimens from Heathcote; some large masses of auriferous stone, from six or seven hundredweight downwards, representative of the district; specimens of pyrites, auriferous and barren; and a variety of other museum specimens, illustrative of the district, such as Mr. S. G. Cole's collection of quartz specimens, Mr. Corrie's pyrites specimen, magnesite from Heathcote, infusorial earth from Talbot, and specimens of silurian fossils and dendrites from Bendigo; casts of Bendigo gold nuggets and plans of the Great Extended Hustler's, Pandora, and Catherine Reef United companies, complete the illustrations.

The exhibit prepared under the direction of Mr. V. Delves-Broughton, the deputy-master of the Melbourne Mint, furnished a fine illustration of the resources of that establishment, and of the extent and character of the operations there conducted. It comprised specimens of dust, cakes, ingots, and other forms in which gold is received for assay, &c. The assay department was fully represented by instruments and materials showing the routine of the gold bullion assay, and of the humid silver assay as there carried out in order to determine its value. Other specimens illustrated the refining process, by which the gold is cleared from the baser metals. The subsequent operations of reducing the gold to the proper standard, by introducing a copper alloy, and then of coining it into sovereigns and half-sovereigns, were also shown. Of various cubes representing different metals, one showed the bulk of 234,420·011 ounces troy of pure gold, and another of 21,401·819 ounces of copper, which, fused together, formed the standard gold metal which sufficed for the coinage of 1,000,000 sovereigns. The processes of fusing, rolling into fillets, punching out blanks, and weighing them in an automatic balance, which sorts them into the three classes of light, standard, and heavy pieces, were also made plain, as well as the process of stamping and annealing. One of the most imposing of the Royal Mint exhibits was a pyramid of 2740 canvas bags, each supposed to contain 1000 sovereigns, and thus representing £2,740,000 coined and issued to the public in 1879. Another class of the numismatic exhibits of the mint consisted of a collection of specimens and models of coins and medals illustrative of the various stages through which the art has passed since the middle ages. There was also a collection of colonial and foreign coins and medals.

An important part of the Victorian Court was that contained in the eastern machinery annexe. There the exhibits of agricultural implements and machines were placed with machinery and mechanical appliances of numerous kinds and adapted for all purposes. Amongst the agricultural appliances was the display made by Mr. Hugh Lennon, of single and double furrow ploughs, vineyard ploughs, &c., including the well-known champion plough, which won the first prize sixteen years since, and a number of medals at agricultural shows held subsequently. In admirable contrast to this improved implement was a wooden plough with which Mr. E. Henty ploughed the first furrow at Portland, in 1834. Samples of the work done by Mr. Lennon's sub-soil and other ploughs were also shown, as well as harrows, scarifiers, horse hoes, and a variety of other implements. Mr. Lennon is also a maker of reapers, winnowers, and other agricultural machines, each claiming special points of excellence. These exhibits were recommended for the Emperor of Germany's prize. Mr. J. Buncle, of Parkside, showed a good collection of the chaffcutting machines of which he is such a successful manufacturer, and equally praiseworthy malt, corn, and maize crushers. His manufactures also included bark cutters and grinders, tobacco-cutters, drilling, slotting, and punching machines, tin-pressers, &c. These exhibits were recommended for the Emperor of Germany's prize. Ploughs, zig-zag harrows, reapers and mowers, and winnowing machines were the principal exhibits of Messrs. T. Henderson and Co. Reapers and mowers, stripping machines, winnowers, horse powers, were shown by Mr. J. Nicholson. Mr. R. Bodington had a wheat-cleaning machine of peculiar construction, an improved smutting-machine, a patent spark-arrester, and patent sheep supports for sheep washing. Ploughs, stripping, winnowing, and threshing machines, and seed drills, were amongst the exhibits of Messrs. T. Robinson and Co.; also their well known wool, cotton, and hop press. Mr. D. Edwards, besides ordinary ploughs, harrows, &c., had a wheelbarrow with seat for driver, and tines that can be reversed to suit different kinds of soils. He had likewise an improved soleless plough, and his "Edwards's Cultivator." Chaffcutters were shown by Swan and Co.; ploughs by J. Grant and Co.; Robinson and Sons a screw wool press, squatter's plough, and an earth scoop for excavating dams or tanks. A large number of cognate exhibits were shown by manufacturers in Ballarat, Geelong, and other places, all well designed and constructed. The display made in this section of the court well sustained the character of the manufacturers for intelligence and enterprise.

Of machinery for the supply of motive-power the list was very full. The engines fixed by Messrs. Wright and Edwards, to furnish the requisite power for displaying machinery in motion, were noticeable for their high finish and the smoothness with

which they worked, and were recommended for the Emperor of Germany's prize. The two heavy locomotives placed in such prominent positions in the eastern machinery annexe were admirable specimens of the skill of Victorian engineering artisans. One was a passenger engine from the Phoenix Foundry at Ballarat, and, with its tender, was most highly finished. The Phoenix Foundry Co. have already supplied a number of locomotives to the Government for use on the Victorian railways, and which have given great satisfaction; and in June, 1881, they took a further contract for ten locomotives and tenders, for use on newly-constructed lines, at the price of £31,470. Just outside the building the company had a novel locomotive lorry, built for the purpose of conveying completed engines and carriages through the streets from their works to the railway. It was a long platform frame of strong boiler plate, mounted upon ponderous iron wheels, the front pair of which steered the machine when in motion, being acted upon by very powerful steering-gear. On the platform was a small but compact boiler and engine, which not only imparted motion to the lorry, but also to a windlass by means of which the locomotive to be removed was drawn up an inclined plane on to a pair of rails on the platform; and when secured in that position, the steam lorry rolled away at a good rate with its load of thirty tons. The other locomotive shown of equally fine build and finish, and manufactured at the Government workshops at Williamstown, was recommended for the Emperor of Germany's prize. With this exhibit were also two superbly fitted and ornamented passenger cars, prepared for the use of H.R.H. the Prince of Wales, in anticipation of his expected visit. These were likewise built at the Government railway workshops. Without specifying in detail the multifarious machines exhibited, they may be briefly noticed as consisting of marine and stationary engines, adapted for every description of work to which they could be applied, with many other articles of great ingenuity and acknowledged excellence of workmanship. Of engines, there were those made by Messrs. Wright and Edwards, which, according to the *Age*, "though not made for exhibition, are splendid specimens of finished turning and compact mechanism." An exhibit of Messrs. David Munro and Co. was also thus referred to by the same journal:—"They show a stationary hoisting engine of their own make, with multitubular boiler, teak-bagged, and finished in the highest possible manner." The firm also exhibited a Victory self-adjusting windmill and pump. Other exhibits were eulogised by the *Age*, such as an improved high-pressure engine from Messrs. Humble and Nicholson's Vulcan Foundry, Geelong; the double-horse works of Mr. Geo. Munro, of Ballarat; a cylinder horizontal high-pressure engine of Messrs. Grayson and Co., Fitzroy; the stevedores' hoisting engines and steam-boilers of Messrs. McCall, Anderson and Co., of Melbourne. The miscellaneous collection of machinery shown by Messrs. David Munro and Co. was alluded to as most interesting and valuable. It comprised one of M'Caughey's patent automatic earth-scoops, which with one man and two horses can remove from 150 to 200 yards of earth per day from the site of a dam; patent travelling self-acting circular saw-bench, suitable for any length of timber, light or heavy; post-boring machine, capable of turning out 130 posts per hour, bored in five or six places for wire or rails; winding and pumping machinery, patent safety mining cages, &c. In this section also were exhibited Woods' patent automatic railway brake, fitted on to the State carriages shown by the Victorian Railway Department; also, a patent electric brake, of which Messrs. Milligan and Wheeler are the patentees. The brake exhibited by the Hon. J. Woods was recommended for the Emperor of Germany's prize. The manufacture of medals was carried on in this department by Mr. G. W. Hamilton, who exhibited a large press, made to his order, for the purpose of stamping, embossing, and striking medals from $\frac{1}{2}$ inch to 6 inches in diameter, and is the largest in any of the Australian colonies. The *Age* remarked—"It is made to take in a die 18 inches in diameter, and will be used for heavy plates. The press is four tons, or nearly five, including the bed. The screw is 7 inches in diameter, three threads, 5-inch pitch, and is 3 feet long. The wheel of this powerful machine is $1\frac{1}{2}$ tons weight, and the force that this screw would accumulate at the moment of striking would be something like 50 tons. There was some difficulty in getting the screw cut, as the pitch was a fast one, and the makers had to cut a shaft for the lathe to get the proper pitch. It is creditable to the colony and the makers that a machine of this kind could be turned out in such a satisfactory manner." Ford's rock drill and air compressor were also on view. It has been used with unquestionable success by the Rocky Mountain Tunnel Co., Beechworth; at the Waterworks Tunnel, Stawell; by the Melbourne Harbour Trust; the Port Victor Harbour Trust, South Australia; Cobar Copper Co., New South Wales; Sydney Waterworks Tunnel, and the Victorian Government.

Passing on to the outside, on the ground to the north of the main annexe, the exhibits of the Victorian Education Department were located. The following description of them was given by the *Argus*:—"The Education Department appears as a most effective exhibitor, showing not only samples of school-books and apparatus, penmanship, maps, drawings, but even of school buildings and teachers' dwellings. The larger of these consists of a schoolroom 30 feet long by 18 feet in width, and designed to accommodate from fifty to sixty pupils. This room is fully equipped with a gallery, a table, desks, forms, easels, blackboard, notation frames, reading tablets; and, in short, with every appliance needed for school-keeping (not forgetting the

customary rolls and time-table). Attached are quarters, comprising a kitchen fitted with colonial oven, two bedrooms, a pantry, and a parlour, the largest room being about 12 feet by 13 feet. The front of the parlour and best bedroom is sheltered by a good verandah; and the whole structure, school and quarters alike, is built of the best pine, the outside and interior being so coated with a liberal allowance of paint as to ensure great durability. We were told by an expert that, with an occasional renewal of painting, such a building in twenty years' time would show few signs of wear. Indeed, one must say that with such comfortable quarters the country teacher may be deemed well off—an airy, well-built, though small cottage is supplied to him at a very moderate rental (the building just described being rated at £12 per annum). A cow and a horse and buggy are usually among his possessions; and dwelling in a community of which he is not one of the least considerable persons, life may glide on with him very smoothly and happily.

“Close to this is one of the portable schools which it is customary to put up where only a building of the smallest size is required. This novel structure comprises a schoolroom about 23 feet long, with a breadth of 14 feet, and two small dwellingrooms are attached to it, necessarily small—so small that the teacher can almost poke the fire and open the window without incurring the inconvenience of leaving his chair. The fire-places are made of iron pieces, easily put together, and backed with earth; while the chimney is a simple funnel indented at the top, and looking like a locomotive smoke-stack. The dwellingrooms are filled with exhibits of State-school work. Thus, one room is devoted to drawings, showing exercises in free hand, scroll practice, geometrical and machine drawing, and occasionally more ambitious attempts at buildings, landscapes, and figures. Drawing, though a free subject, is taught in only a limited number of schools, and as two weekly lessons in a very large class are all the opportunities offered to any pupil, great excellence is not to be looked for, though probably not a few will be surprised at the touch and style acquired by many a child of twelve or thirteen years of age. In two other rooms appears an extensive exhibit of needlework done in the ordinary school course, being specimens of exceptional excellence in the way of darning, knitting, and plain sewing, many of the garments shown being of considerable merit. The walls of certain rooms are thickly covered with specimens of maps done by State-school pupils, and show great care and frequent excellence of execution and finish. A very large supply was sent in to the Education Department, but even for the selected maps it was impossible to find sufficient wall space for exhibition; many maps, some of great merit also, have therefore to be shown in portfolios and packets. The Victorian educational exhibit was thus of a twofold character. On the one hand, it showed what was being done by the Government in providing excellent apparatus and furniture, and in erecting suitable school buildings, which, although plain and even inexpensive when compared with the costly structures that prevail in Great Britain and on the Continent, are yet constructed with the most careful attention to every requirement of light, warming, ventilation, and decency, and of course with special adaptation to the wants of class teaching. On the other hand, there were excellent and honest specimens of the pupils' work in grammar, composition, dictation, arithmetic, geography, penmanship, and needlework.”

The Victorian products exhibited in the temporary shows were of the highest quality and excellence, and in wools two champion prizes were awarded to Sir Samuel Wilson, who was also recommended for the Emperor of Germany's prize.

LADIES' COURT.

THE Ladies' Court at the Melbourne International Exhibition was generally full of visitors. It contained a great variety of wool-work, cosies, worked chairs, ottomans, cushions, and other smaller articles; also, an interesting specimen of a Chinese woman's embroidery, brought away by a British soldier at the time of the looting of the Summer Palace at Peking. The subject was a few figures, worked on a dull background, of some Chinese women and children. On the walls were hung a number of wool-work pictures, some of which were of a very ambitious nature, one of them being a copy of the Descent from the Cross, by Rubens, and two others representing the Last Supper. Wool-work flowers were also to be seen in great abundance, under glass shades. There were glass cases full of nicely-arranged skeleton leaves, in a state of perfect preservation, with some bouquets of fish scales, and others made out of the cuttlefish, one or two having seaweed arranged amongst the flowers. Feathers of native birds were tastefully designed in garlands of flowers. Miss Anderson's feather picture of passion flowers, &c., around a white cross, was particularly graceful.

There were besides a great many painted flowers. One beautiful velvet cushion was exhibited by Mrs. Shann. The Misses Moore sent a satin border for a table cloth, painted with garlands of lilies, passion flowers, apple blossoms, and birds' nests amongst the foliage. Miss Chassie Cole, of Geelong, contributed several articles. The largest was a small three-

leafed screen, on which were painted groups of flowers from nature. A banner screen, under a glass case, with the most natural and artistically arranged wild flowers, was worthy of special mention; and the same lady had painted single flowers on a set of silk doyleys. Several albums were exhibited of leaves and ferns, "nature printed." Glass cases and shades abounded, filled with every variety of wax and paper flowers. There were Australian wild flowers, orchids, tuber roses, lilies, cacti, ichsias, fuchsias, tulips, passion flowers, snowflakes, camellias, variegated leaves, and bridal bouquets. Two show-cases were filled with fruit, very well modelled in wax. Bouquets of flowers were cut out of paper with scissors. Several tables had wreaths and groups of flowers painted on them; others were decorated with splashed fern leaves. Miss Nellie Boobier sent a show-case containing one large silk cushion, several small ones, a banner screen, a pin-cushion, and several smaller articles.

There was a handsome exhibit in the Victorian Court downstairs belonging to the ladies' department, and sent by Miss Josephine Brearley. It consisted of an entire bedroom suite, embroidered on crewel canvas. One show-case contained a number of cardboard fancy articles cut out with a penknife, the glove boxes, pocket-handkerchief case, &c., being prettily gilded with blue silk. Seaweed was to be seen arranged in every variety of form. One case was very curiously got up with grottos, covered and surrounded by shells and seaweeds and corals. A few emu eggs were ornamented with leather-work designs. There was a great show of leather-work frames, Miss Martha Borland and Miss Margaret Wearne having displayed special skill in the grouping of their flowers. A good-sized sideboard, having a mirror above and in each of the front panels, was decorated with an elaborate ornamentation of leather-work. One of the frames was entirely decorated with cones; another had different cones and acorns massed together all round it. A very pretty set of ornaments, made of rock melon pips, consisted of a smoking-cap and slippers, lined with blue silk, a necklace, bracelet, and a few other trifling articles. C. Haughton, jun., sent a beautiful miniature suite of drawingroom furniture, carved in bone, upon a flooring of different coloured mother-of-pearl, inlaid in a lozenge pattern. Miss Stillman exhibited a chess-table, etched and covered with grotesque figures. A few articles in fretwork were shown. It is needless to say that the usual feminine appointments abounded—such as cosies, babies' hoods and capes, and embroidered clothes, little girls' silk dresses, pin-cushions, chair covers, screens, antimacassars, hand-sewn underlinen, and a variety of hand-made stockings and slippers. Some of these were embroidered. One small glass shade contained trimmed dolls' hats and caps. There was a curious specimen of ladies' work during the middle of the last century. The colours were very dull, but the drawing of the faces was far better than most of the more modern pictures in wool.

Hanging up in a small frame was a piece of bed curtain, taken off Napoleon's death-bed, and brought from the island of St. Helena by the late Mr. Beale. It was exhibited by his daughter. Another curiosity was sent by the Rev. Canon Vance, of Kew. It was a re-production of Martin Luther's tankard, and the following extract accompanied it:—"This interesting relic of the great reformer is of ivory, very richly carved, and mounted in silver gilt. There are six medallions on its surface, consisting, however, of a repetition of two subjects. The upper one represents the agony in the garden, and the Saviour praying that the cup might pass from Him; the base represents the last supper, the centre dish being the incarnation of the bread. This tankard, now in possession of Lord Londesborough, was formerly in the collection of Elkington, of Birmingham, who had several copies of it made. On the lid in old characters is the inscription, 'C. M. L., MDXXIII.'" A number of curious designs were made of the pith of rushes; amongst others, an ornamental flower stand and bride's cake. Mrs. Ormond, of Geelong, sent a transparency, the only hand-painting on glass.

Some portion of the walls was decorated with a number of patchwork quilts. One of these, exhibited by Mrs. Van den Houten, was made from patches of dresses worn by Her Majesty Queen Victoria, Queen Adelaide, the Duchess of Kent, and other members of the Royal family in 1840.

A silk quilt, by C. Tilly, was made out of 10,555 pieces. S. A. Maybille exhibited a curious piece of work in floss silk upon perforated cardboard. It was a copy of the Lord's prayer in a quaint device.

Fancy articles made out of egg shells filled one of the show-cases. There were vases, jugs, tea pots, and other objects, with gilt stands, and all of them etched. There were a few specimens of tatting. Some of the lace work was very good; amongst others may be mentioned a set consisting of a point-lace apron, a handkerchief, and sleeves. There were two cushions, with shuttles, and pieces of lace begun, showing the way in which cushion-made lace is worked. F. Little, of Little Brighton, sent a point-lace veil, the *fac-simile* of that worn by the Princess of Wales at her marriage.

On the stairs was a large frame with a marvellously executed specimen of penmanship, exhibited by Mrs. S. Bartlett, of Richmond. In the centre was an account of Victoria, printed with the pen in every variety of way. All round were more etchings, ornamental designs, accounts of the geology of Victoria, printed finely with the pen, and tables of statistics, with the dates of important events.

THE WESTERN AUSTRALIAN COURT.

The exhibits sent from Western Australia were of great importance, not so much as indicating the progress made in developing the resources of that comparatively lately settled colony as because they displayed samples of natural resources that must eventually render that country great and highly prosperous. The collection was, therefore, creditable to the Western Australian Commissioners, and will no doubt serve to accelerate the progress of the colony. The most prominent production at present is lead, which is found in large quantities in the mines district about Northampton and on the lower course of the Murchison River, and is an important article of export from the colony. A display of this metal was made by Messrs. M'Lean Bros. and Rigg, at the entrance of the court, in the form of a trophy of piglead, which had been shipped to Victoria in the ore, and smelted here by Mr. E. Hughes, of Footscray. There were exhibits of the ore in its natural state shown by Messrs. Crowther and Mitchell, who had a comprehensive collection, comprising also the ores of copper, plumbago, zinc, native iron, &c. As similar productions to those shown are to be found largely distributed throughout the entire area of this vast province, it may be assumed that the mineral wealth of Western Australia is inexhaustible. Samples of the lead manufactured at the lead works of Mr. J. M'Ilwraith were also exhibited near the piglead. Other exhibits in the mineral and mining section were made by the Government of the colony, who contributed a number of fossil rocks, and a geological collection; and also by Mr. J. S. Davis, who sent samples of fire-clay, pipe-clay, fossil rock, and iron. Timber is another great staple product, of which there are valuable forests in the southern and western portions of the colony, estimated to cover an area of 36,000 square miles. The jarrah, the most valuable of these timbers, is to be found in all parts, although more plentifully in some; and it is computed to cover an area of 14,000 square miles. White gum, karrie, tuart, red gum, and York gum, five others of the principal eucalypti, also grow over large areas. "The Public Works Department of the colony," says the *Age*, "has sent various exhibits, showing jarrah timber in the rough; jarrah pile, dug out of causeway, Swan River, after thirty-five years' exposure; and a log of jamwood (*Acacia acuminata*). There are also from the Government a collection of specimens of the principal timbers of the colony, and a large show-table, and turned articles, made from native woods. A large quantity of the valuable sandalwood, and others of economic value, as well as barks, are shown by various contributors." Amongst these, Mr. M. C. Davies, of Bunbury, had a trophy of jarrah and karrie timber, for ship and boat building, harbour and jetty works, railway sleepers, &c., with specimens of piles that had been standing in sea-water for thirty-four years, and posts and rails that had stood twenty years, thus proving their durability. Another trophy was contributed by the Jarrahdale Timber Co. A collection of specimens of the principal timbers of the colony, prepared by the Convict Department, was also shown. Another industry of great importance is the pearl fishery, which was fitly brought before the public by a trophy of pearl oyster shells, erected at the entrance of the court by Messrs. W. D. Moore and Co. The export of pearl shells in 1879 amounted to £39,400, and the total value of the shells exported from 1867 to the end of 1879 was £368,819. Considering that the population of Western Australia is little more than 30,000, and that out of a total area of 626,111,323 acres there were only 45,933 acres under cultivation, it could hardly have been expected that there should be a great display of cereals and farinaceous products. Still there were some good samples of wheat shown by six agriculturists, and of barley by three, while four others had fine silk-dressed flour, ground in their mills. Fish abounds all round the extensive coasts, and must eventually add to the wealth of the colonists when utilised for commercial purposes. That a start has been made was proved by the Mandurah Fish Preserving Co., who had a collection of preserved fish prepared at their manufactory. Mr. Thomas, of Shark's Bay, also exhibited a cask of salted dugong, a fish of which large shoals are to be found round the northern coasts, and which, besides being eatable, also yields a valuable oil. The products of hunting, shooting, fishing, &c., were represented by opossum-skin rugs and other furs, sets made of swan's down and pelican feathers, with whalebone and oil, and other articles. Of preserved and dried fruit there were several creditable exhibits, including almonds and muscatel raisins. Wine was forwarded by six vignerons, the sorts being red Fontainbleau, white and dry muscat, sauterne, Don Pedro, verdeilho, red burgundy, and red hermitage. Ales and porter were shown by two brewers at Perth, both in wood and bottle; but it was stated that the hops were of Tasmanian growth, the malt English, and the sugar from Mauritius, thereby leading to the inference that the production of those articles had not been entered upon, although hops, barley, and sugar-cane would all grow in the different parts of the province. Sericulture has been entered upon, and some beautiful exhibits, showing the cocoons, and every process through which silk passes to the weaving, were displayed by the Government and others, and manifested that this industry, if cultivated, may be of great value to the colony in the future.

THE UNITED STATES COURT.

The United States of America occupied three distinct courts at the Melbourne Exhibition, one being in the nave of the main building, the main court being at the end of the central avenue close to the fernery, and the machinery being chiefly confined to the western hall. The American exhibits failed, unfortunately, to give strangers an adequate idea of the importance of the manufactures of that country, one reason for this being that a great many things went down in the "Eric the Red," a vessel chartered in the United States to bring the exhibits to Melbourne, but which foundered close to a dangerous part of the coast when nearly in sight of her journey's end. Another reason given for America not making a better show was that the depression in trade which began in 1873 had passed away, and with the revival taking place stock had become so low in most departments that goods could with difficulty be spared for exhibition purposes. One large exhibit, which was shown at Sydney, and intended for Melbourne also, had to be recalled to satisfy home demands. Then, again, no goods were sent out simply for show, the distance and expense rendering it inadvisable, so that only such things were exhibited as were considered suitable for the Australian market. All of them were noteworthy for their solidity and excellent make.

First of all may be mentioned the articles in the main building; and foremost amongst these was the show-case of the American Watch Company, Waltham, which was erected just under the dome. These watches received two first prizes. The Waltham watches attained such a fame, and became so widely circulated, that one of the Swiss Commissioners to the Philadelphia Exhibition warned his countrymen, in a lecture delivered on his return to the centre of the watch-making trade in Switzerland, that if they did not set to work to improve their manufacture, they would eventually lose all their markets. Every single portion of the Waltham watch, from the slender hair-spring to the outer case, is made by machinery, so that the regularity and precision are perfect; and any of the works of a watch could be transferred to another of the same size. Whereas in Switzerland there are about 40,000 workmen making forty watches on an average each per annum, the United States average is 150 watches, or three and a-half to four times more than can be produced by manual labour. The full exhibit consisted of the materials used in watchmaking, of movements of various grades fitted together in nickel frames, and, finally, of complete watches in silver and gold cases. There are six different sizes of watches made; and all watches of similar size have similar parts, which can be interchanged in case of repair or other contingencies.

Close to the handsome platform containing the Waltham exhibit was another show-case with Peabody-Martini rifles, from the Providence Tool Co. Behind these were the fashionable Vanity Fair cigarettes, and a large assortment of artificial teeth from H. D. Justi and S. S. White, of Philadelphia. There were two handsome black and gold show-cases from Messrs. Simpson, Hall, Miller and Co., of Connecticut, full of the most elegant electro-plate ware. There were jugs and basins for toilet use, tea services in antique and modern patterns, épergnes, candlesticks, and very pretty cruets. In the centre of one of the stands was a prize cricket trophy of a punch-bowl and goblets, richly engraved. Then two little Cupids were driving swans, the figures being of silver, the birds of porcelain, and the reins of gold. Next to these was another platform, with a case of elegant appearance, containing every variety of locks and keys, sent by the Russell and Erwin Manufacturing Co. Under the wall of the western nave was an exhibit of cabinet organs. The Smith American Organ Co., J. Estey and Co., Peloubet and Co., and the Taylor and Farley Organ Co. were the manufacturers. Turning to the largest section of the American Court, close to the fernery, a large platform first of all arrested the attention, forty-five feet by forty, upon which Messrs. Fairbanks and Co., of New York, showed their weighbridges and scales. St. Johnsburg, the headquarters of this business, is a model teetotal town, conducted on principles of profits to workmen as well as to shareholders. The workshops cover ten acres of ground, and the number of hands employed is 1100. Their weighbridges and platform scales were the inventions that procured the Fairbanks' factory the high reputation it possesses. Four different weighbridges were shown, from 25-ton capacity to three-ton (portable). The old weighbridges for carts, &c., were very cumbersome. The beam levers used to be placed high enough for the load to pass underneath. Fairbanks removed the levers to a pit underneath the platform, and their plan was followed everywhere. The main levers of the weighbridges exhibited were set in cast-iron frames, put together in sections and connected at the centre. Platforms 123 feet long can be laid down if necessary; all that has to be done is to lay down section to section until the required length is made up. The platforms are always constructed of timber. The levers were suspended from a wrought-iron frame by loops, which allowed the platform a little play. Instead of being lowered away from the platform when not actually required to weigh a load, as was formerly the case, they are now kept always ready, and the jar which might otherwise be given to the mechanism of the beam by a train of trucks in motion is prevented by simple means. A movable loop over the free end of the beam fixes it down tightly, and allows no vibration. Before the modern combinations of levers were invented 56 lbs. in one scale had to be balanced by 56 lbs. in the

other; but in the 25-ton weighbridge of the present day the strain on the knife-edge does not amount to more than 250 lbs. for a full load, and the counterpoises on the long arm of the beam are only a few ounces in weight. The form of the knife-edge in the Fairbanks' scales is worth mention. To be trustworthy, the pivot, or knife-edge, should be hard and keen. But should the steel be tempered a little too hard it is liable to break, whilst if not hardened sufficiently it is apt to wear. Some years ago one of the workmen discovered a process by which the outer portion of the pivot could be carbonised, or hardened, and the internal part left soft and tough. Pivots are now made of soft Bessemer steel, carbonised or crystallised on the outside. A hard knife-edge and a fibrous body are thus combined in one piece. All scales are made by machinery, in certain definite sizes; equal sizes have equal parts, and equal parts are interchangeable. There were no less than forty different platform scales, besides counter scales and scales for scientific purposes.

Another distinctly American industry in its origin and development is the sewing machine. Thirty years ago a practical sewing machine was a thing unknown, and American ingenuity has been applied in solving the difficult problem, Walter Hunt, of New York, having been one of the first experimentalists. America at the present time exports annually upwards of 500,000 sewing machines. Itself a labour-saving machine, it is the result of the work of many other labour-saving machines. One of the leading American firms is said to use 1003 separate machines for special mechanical operations in its construction. A rotary-hook, for instance, is passed from machine to machine, passing through 128 distinct operations before it is ready to take its place in a finished machine. The needle also requires a series of mechanical processes before the common steel wire of which it is made is converted into the finished needle; amongst the operations it undergoes being those of cutting, grinding, "swaging," cutting to length, rough painting, tipping, grooving, eye punching, burring, hardening, tempering, polishing, brushing, scouring, &c.

Almost in the centre of the court was the commodious platform containing the Davis sewing machines. The "Davis Vertical Feed" combined important improvements, whilst the "Light-running Standard" worked quietly and smoothly, and performed every variety of stitch. Most of these machines were being constantly worked, so that their capabilities might be easily tested by all who wished. This machine received a higher award as a domestic machine than any other sewing machine exhibited.

Some of the earliest and most important improvements were introduced by the Wheeler and Wilson firm, which began in the earliest days of sewing machine manufacture. They are the inventors of one of the best features of the most approved sewing machine. They claim for their rotary hook system that it is worked with much more ease and produces a better stitch than the vibrating shuttle, and that far more work can be done with less fatigue. Another improvement is the automatic under-tension apparatus for clamping the lower thread, and enabling the operator to regulate the lock of the two threads while the machine is in motion. There is also the independent "take-up," which draws up the thread when the needle is out of the material, so as to prevent the chafing of the thread between the needle and the material, and permits of the use of a tolerably large thread. All parts can be replaced by similar interchangeable parts, because for each part of the machine a standard gauge and standard model are kept, by which the working gauges are tested, and kept to the highest degree of exactness. This firm showed a very good collection of every style of machine. Messrs. Singer and Co. erected a Chinese-looking structure outside the building in which to exhibit their machines. Their principle is that of making a lock-stitch by means of a straight-eye pointed needle, and a longitudinally reciprocating shuttle. Of ordinary machines they had an excellent collection. One machine was manufactured with great strength, especially for leatherwork, and another for binding books, &c., which was not the least useful of the many exhibited by this firm. On the expiration of some of the earlier sewing-machine patents minor firms arose who manufactured sewing-machines on the principles that one or two firms formerly held as a monopoly, introducing slight variations or improvements in detail. A few of these were well represented. Messrs. Johnson, Clark and Co. had a "Home Companion" lock-stitch sewing-machine of very neat appearance, simple and compact.

There was a very handsome case of electro-plated ware facing the central avenue from Reed and Barton, of Taunton, Massachusetts. Two large vases had cupids painted on magnified butterfly wings. There were also numerous elegant tea-services and fancy articles, and a book full of designs of different patterns. Close to this was a very novel exhibit: a large oval case was surmounted by a handsomely carved frame enclosing a highly ornamented canvas show-board. On one side was painted a view of A. Field and Son's tack and nail manufactory, Taunton, Mass., whilst on the other were the names of the exhibitors, the letters being prettily formed of American cut nails and tacks. The case contained samples of every possible variety of nails and tacks. Another case of cut nails and spikes was shown by Morris, Wheeler and Co., of Philadelphia, whilst the Globe Nail Co. had nails used for shoeing horses. Five hundred hands are employed in this factory, which is the largest of its kind in the world. H. Disston and Sons, of Philadelphia, had an attractive show-board, decorated

with saws of all descriptions, from the circular and crosscut down to the common hand and butchers' saws. Messrs. W. A. Ives and Co., of New Haven, showed an assortment of gimlets, augers, braces, and tapborers. The Yale Lock Manufacturing Co., of Stamford, Connecticut, had a case containing all sorts of locks; and Collins and Co., of Hartford, exhibited steel implements, including daggers, adzes, axes, hammers, &c. There were also fire-proof safes from Frothingham and Emory, and burglar-proof safes from Herring and Co. The exhibit of Rowley and Hermance, of Williamsport, Pennsylvania, was a very interesting one; they showed sweepstakes planer and matcher of a new design; it had solid steel head and steel matcher spindles, all running in Ellis's patent journal box, which is made in three parts, so that the journal can be kept tight until the box is worn out, thus preventing all tremble and jar of the shaft, which is very important where smooth work is required. A machine quite new to Australia was also shown—viz., a sand-papering machine. It is used for finishing and polishing sash doors, blinds, piano cases, furniture, or any flat surfaces. One great advantage of this machine is a suction fan attachment. The dust is drawn through hollow arms to the fan, and by attaching tin pipes is deposited in any required place, keeping the surface of the work and the shop free from dust. A hand-sawing machine was shown at work, and the easy manner in which it sawed out from a small block of wood a suite of furniture proved what a useful tool it would be in any wood workshop.

Two portable engines of special interest were exhibited amongst the American machinery, and presented many different features to the engines of the great English firms represented. The first of these bore the name "Eclipse" in large letters, and was from the factory of Frick and Co., Waynesborough, Pennsylvania. The boiler, which at the first glance appeared to be of the usual locomotive form, was very small in the barrel, and had a long single-riveted joint running from end to end (not a commendable feature). A water space extended across from side to side beneath the furnace, this being quite a novelty in this colony. The boiler was not protected in any way from the cooling influence of the atmosphere, and must, one would think, suffer considerable loss of steam from this cause. The travelling wheels were of wood, with iron centres, and the axle of the hind wheels passed right through, the boiler openings being made in the water-space on each side of the furnace, and the axle being visible just below the fire-bars. Springs were provided at the points where the boiler is supported on the axle, which tended to mitigate the jolting experienced when travelling on rough roads; but, as these springs would permit a very undesirable oscillation when the engine was at work, screws were provided by which the weight could be thrown directly and solidly on the axle when desired. The front axle supported the smoke-box end of the engine by means of a ball and socket joint; and many parts connected with this axle which in an English engine would have been of wrought-iron were made of cast-iron. Probably the special character of American cast-iron permits its use here when English iron would be unsuitable, just as in America railway wheels are always of cast-iron, while in Europe they are uniformly of wrought-iron. The cylinder, crank-shaft, &c., were supported by a cast-iron frame, which simply rested on the boiler, and could be removed and placed on a foundation as a stationary engine if needed. This frame formed a trough to catch the oil dropping from the various working parts. The crank-shaft bearings were immensely long as compared with English practice, and the crank was fitted with balance weights—a commendable precaution hitherto neglected by English makers. The feed-pump was worked from the crosshead, and a large feed water-heater extended along nearly the whole length of the engine. There was but little bright work, both crank and connecting rod being painted, and this, with the absence of lagging from the boiler, gave the whole a rough appearance when compared with the British exhibits. At the same time, there is no doubt that painted surfaces are better adapted for out-door use than polished metal. The second engine was made by Williams Bros., of Ithaca, New York. It had an upright boiler, with double-riveted, longitudinal seam. The cylinder was vertical, and placed below the crank-shaft, to which it was connected by a cast-iron frame bored out for the cross-head. The slide-valve was worked from an eccentric, arranged in what appeared a very unmechanical way. The valve-spindle, instead of being directed to the crank-shaft, would, if produced, have passed several inches to one side, and the obliquity of the eccentric rod was disguised by attaching it to one side instead of the centre of the eccentric strap, but this in no way removed the cross strain and oblique and unfair action on the valve-spindle. Special arrangements were provided for heating the feed water. The road-wheels were of iron, and the weight of the engine was carried on massive spiral springs.

There were a good many exhibits of mowing and reaping machines, and other saws and tools of various kinds. The M'Cormick Harvesting Machine Co., Chicago, sent harvester and self-binders, combined reaper and mower, &c. The Johnston Harvester Co., of Brockport, also sent agricultural implements.

The Washburn and Moen Manufacturing Company, of Worcester, Massachusetts, exhibited some patent steel-barbed fencing. Theirs is the largest wire manufacture in the United States. Belaying pins, oars, and hand-spikes were sent by De Grau, Aymar and Co., of New York. The Stanley Rule and Level Co., of New Britain, Connecticut, exhibited a number of spirit levels, rules, and planes; and the Enterprise Manufacturing Company, of Philadelphia, an

assortment of hardware, specially coffee-grinders and irons, with ingeniously contrived handles for slipping off and on. The Abbott Downing Co. exhibited some buggies, and N. Magee had a little model harness factory in full operation, with every kind of harness-makers' tools. White's patent self-locking alarm cash-drawer received first prize. It was arranged on sixty changes, so that were any one to attempt to open it who did not know how it was set, a bell would ring in warning. D. K. Miller Lock Co.'s padlocks were shown, every one being different, although thousands are turned out. These padlocks are used in the United States Mail and Treasury Departments. E. Remington and Sons, of Illion, New York, had a typewriter on view. This clever machine was in a box containing rows of buttons marked with letters and numbers, corresponding to a circle of keys hung on to a cylindric drum above, the keys communicating with the buttons by wires. When one of the buttons is struck for a word or space it elevates the key and causes that again to strike against a ribbon drawn across the centre of the drum, which is chemically prepared, and writes off the desired letters on the paper which is laid over it. Carbon paper is used for manifolding, and there are various other contrivances connected with this machine, one of which keeps the paper straight as it shoves it along to receive the succeeding letters, stopping it at any desired length of line and returning it to the beginning of the next line. One of the most interesting exhibits under the heading of mining industries was from H. A. Ward, of Rochester, New York. Amongst the many American discoveries is an industry for the multiplication of casts of fossils, and Mr. Henry A. Ward, Professor of Natural Science in the University of Rochester, sent in an interesting museum of curiosities to the Melbourne Exhibition. This museum in miniature contained rock specimens, minerals, fossils, and skeletons. An ideal model of the plesiosaurus was shown in Mr. Ward's collection. On the walls of the court were casts of the fossil skeletons of the ichthyosaurus, a lizard-like sea animal, that lived long before certain English counties became dry land. The remains of the largest complete specimen shown here (9 feet 1 inch long) were found near Glastonbury, in England. This ichthyosaurus had a long head, a short neck, a large abdomen, four paddles, and a powerful finned tail. "When full grown," we read, "the ichthyosaurus may have reached a length of 40 feet." The species here represented (*I. intermedius*) is the most common, but has not been found over 9 feet in length. On one of the shelves was a cast of the head of an ichthyosaurus, the original of which is in the Melbourne Museum. The eye alone is 7 inches in diameter, and the head and muzzle 5 feet 1 inch long. On account of the effective manner in which they were displayed on the end wall, the casts of the ichthyosauri probably made a greater impression on the visitor's memory than the rest of the collection. The mastodon and dinotherium, belonging to a comparatively recent geological period, were represented by casts of skulls and jaws, teeth, tusks, &c. In one or two cases the teeth were almost as large as a child's head. One curiosity was the glyptodon, an extinct form of the armadillo. The body was hemispherical in shape, and covered with a multitude of thick, bony plates. The tail possessed a sheath made up of "prominent tubercles disposed in distinct whorls." The cast, measured along the curve of the back, was 11 feet long from head to tail, and the "tesselated trunk" 9 feet across. The original came from Monte Video. Fossil glyptodons have only been found in Central and South America.

Mr. Ward has ventured to give a "restoration" of the mammoth, from bones in the Stuttgart Museum. It is a shaggy giant, with curved tusks, standing as high as a house. Only a photograph was sent, as the annexe might not have been large enough to hold the animal itself. No one would have suspected that the skull-bone labelled "*homo*," on one of the shelves, was part of the head of a man. It was found near Düsseldorf, in 1857, and looked like a link between the ape family and the human race; and, indeed, its identity is not yet fully established.

The left hind foot of the hipparion was curious, as the supposed link between the one-toed horse of to-day and the three-toed horse of the upper eocene period. In the hipparion elegans the split bones end in small hoofs, hanging down like the spurious hoofs of the ox.

The skull and lower jaw of the diptrodon Australis were to be seen on the top shelf, belonging to a gigantic kangaroo, supposed to have been as big as a hippopotamus, now extinct. The original fossil is in the British Museum, and was found in a recent tertiary deposited on the Darling Downs, Queensland.

Among the casts of fossil remains of birds was the leg, 4 feet long, of the *dinornis*, an extinct inhabitant of New Zealand, where once lived ostrich-like birds, from 5 feet to 10 feet high. Some of the greatest curiosities were the casts of prints of birds' feet. It seems marvellous that the tracks of birds which flourished in the coal ages should be preserved in stone until now. Some thin deposit of mud must have filled up the prints when the bird passed by, and so preserved the impression! The cast of the footmark of the *brontozoum giganteum*, a three-toed creature, was in relief, instead of hollow. It was 18 inches long, and we are told that the impression left by the original foot would hold two quarts of water. The owner of the foot had a stride of 38 inches, or 12 inches more than the ostrich, and its weight has been estimated at from 400 lbs. to 800 lbs. The *brontozoum* was a biped living "by the shores of an estuary which deposited the sandstones of the Connecticut Valley." Tracks of

another strange animal, having toes and heels like a bird, and which used its tail like a kangaroo, were also printed on a slab. The pterodactyle, "the most extraordinary of all creatures yet discovered in the ruins of the primæval world," was provided with a large head, sharp teeth, and wings. It was represented in fossil casts on slabs, and also in ideal restorations, on a reduced scale, in company with the iguanodon, ichthyosaurus, and other uncouth forms. Amongst the molluscs there was a fine collection of fossil ammonites, long ago extinct—a fish with chambered shells rolled up in coils; some are as much as 31 inches in diameter. There were also a few groups of real fossils, some of them being fine specimens. These were called melanites, and bore some resemblance to a partly-crushed melon. The casts of the pentâcrinus, a plant-like animal which grew rooted to the rock, and had a pointed stem and floral top, were singularly pretty. Skeletons of species still extant in West India seas were also shown. It must be added that the foregoing account of Mr. Ward's museum has been taken from the sketch in the *Argus* of the geological illustrations.

Education in the United States Court was chiefly represented by some comprehensive works, edited by the famous Dr. Henry Barnard, of Hartford, Chancellor of the State University. There were curious records of backwoods schools in early days, and copious reports about past and present teachers. There was a *Medical and Surgical History of the Late War*, by the Surgeon-General of the United States; and a small exhibit of school furniture, consisting of three small single desks, with hinged, up-lifting form, of a simple and neat construction. Juvet and Co., of Canajoharie, New York, sent a novel globe, having within a clockwork adjustment, and above a graduated dial, the object being to show the position of the earth during its daily rotation. The globe is so fixed as to rotate only once in twenty-four hours; but it is not of much use for educational purposes. W. H. Page Wood Type Co., of Norwich, had a very handsome exhibit of wood types for printing, with specimen-book. C. E. Johnson sent printing inks, and Carter, Dinsmore and Co., of Boston and New York, sent inks and mucilage. J. A. Lowell, of Boston, had a very good collection of printed cards, some of them being engraved like the well-known sketches in *Harper's Magazine*. The Forbes Lithographic Manufacturing Co., of Boston, exhibited coloured label work and Albertype engravings. There were a good many cases of paper from different factories. The remaining exhibits may be briefly enumerated. Several firms sent folding chairs, rattan seats, and similar furniture. E. Hinckley, of San Francisco, showed spring beds; whilst the Woven Wire Mattress Co., of Hartford, sent wire mattresses. There was an ingenious American cradle, entirely encased in blue gauze wire, which would prove a splendid protection against mosquitoes. Harris and Co., of Boston, had an erection of every kind of weather vanes. Headley and Sons, T. B. Peddie and Co., and W. W. Winship, of Boston, exhibited travelling trunks and bags. T. H. Hobbs, Brockunier and Co. sent glassware and chandeliers. The St. Louis Stamping Co. sent specimens of granite ironware. F. A. Pullinger, of Philadelphia, showed pottery; and Scott Bros., of Philadelphia, had an exhibit of different floorcloths. There was a collective exhibit from Connecticut of glass, porcelain, silver-plated ware and granite, pocket cutlery, and bronzed ornaments. The Russell and Erwin Manufacturing Co. sent castings coated with other metals by galvanic action. There were several collections of fancy articles, celluloid jewellery from Purdy, Huntington and Co., of New York city, and crucifixes and other artistic carvings, in a little case, from J. B. Santifaller. The American Novelty Co., New York, A. S. Spence and Co., San Francisco, and the Philadelphia Novelty Co. sustained the American reputation for all sorts of ingenious contrivances for comfort and use.

Perfumery was well represented by Barclay and Co., J. Burnett and Co., Eastman and Bro., and Young, Ladd and Coffin, the first and the last being New York houses, the others from Boston and Philadelphia respectively. J. Burnett and Co. had also a show-case full of different extracts. W. H. Schieffelin, of New York, sent pharmaceutical preparations and syrups, with a separate case of soluble pills and granules. Several American houses sent drugs or medical specialties, amongst others being a case of botanic medicines from Cheney and Myrick, of Boston. These were very interesting when compared with Australian herbs, the preparation of which is not yet fully understood, many of the same plants being different in their action and qualities on Australian soil to what they are when found in other climates and lands; and when the herbs here are properly dried they will, no doubt, fill an important place in the medical preparations. Hawthaway and Sons and B. F. Brown and Co., both of Boston, exhibited their gloss and leather dressings. There were samples of corn and olive oil; some butter in sealed cans from Simpson, M'Intire and Co., of Boston; tinned salmon from the Oregon Packing Co.; with canned fruits from the San Jose Fruit Packing Co., in California. There were very few samples of wines or spirits. Two firms sent whisky, and J. B. Wolfe, of New York, sent some of his aromatic Schiedam schnapps. There were several tobacco exhibits. A. Cameron and Co., of Virginia, obtained the first order of merit for manufactured and leaf tobacco. The Gutta-percha Rubber Manufacturing Co., of New York, exhibited some rubber belting. There were also two other rubber exhibits. Messrs. M. F. Whiton and Co., of Boston, presented for notice an erection of cordage, varying from three inches to six threads. Messrs. E. W. Holbrook and Co. sent a case of White Star kerosene wicks,

whilst the Vermont Merino Sheep-breeders' Association exhibited some samples of wool. Silk and silk fabrics were shown by Belding Bros., of Rockville and San Francisco. Madame Demorest, of New York, had a little stand of miniature paper patterns. Three New York exhibitors sent a collection of toys, and Milton, Bradley and Co., of Springfield, Mass., showed industrial toys and amusements. In addition to these exhibits must be mentioned Rathbone, Sard and Co.'s stoves, for which they obtained the highest award. The Western Electric Light Co. sent electric lights, and many people were attracted by the performances of Edison's electric pen.

REPORT OF SUPERINTENDENT

OF

JURIES AND AWARDS.

G. C. LEVEY, Esq., C.M.G., SECRETARY.

SIR—I have the honour to submit to you the following report in reference to the department placed under my supervision.

The regulations issued by the Commission, upon the basis of which the examination and awards were to be made, were as follow, viz.:—

That no Commissioner who is an exhibitor or a member of any firm exhibiting shall take part in the selection or appointment of jurors in those classes in which he exhibits.

That each country or colony appointing a Commissioner be entitled to nominate a juror for every class in which it has exhibits, provided that each juror be not domiciled in Victoria at the time such nomination is made.

That no person interested, either as a partner or *employé*, in a house exhibiting shall be a juror in the classes in which such a house or person exhibits.

That the Commissioners place at the disposal of each jury a sum of money proportionate to the number of the exhibits upon which it will have to report, and the general importance of the work. Out of this sum the expenses and remuneration of secretary, reporter, or clerk, or of the officers performing the duties appertaining to those positions, and all personal expenses of the jurors, is to be defrayed.

That the Melbourne jury system of 1875 be continued, and that each jury be requested to name the exhibitors who merit recognition, and whether their reward should be first, second, third, fourth, or fifth class, leaving the Commissioners to decide whether the highest award should be a gold, silver, or bronze medal, or a first-class certificate.

The awards shall be based upon written reports adopted by the jurors.

The jurors shall be selected for their known qualifications and character, and shall be experts in the departments to which they are especially assigned; the British, foreign, and colonial jurors shall be appointed by the representatives of each country or colony exhibiting. The jurors for Victoria will be appointed by the Melbourne Commission.

Reports and awards shall be based upon inherent and comparative merit, the elements of merit being held to include considerations relating to originality, invention, discovery, utility, quality, skill, workmanship, fitness for the purposes intended, adaptation to public wants, economy, and cost.

Each report shall be delivered to the Commission as soon as completed.

Each exhibitor shall have the right to produce and publish the report awarded to him, but the Commission reserves the right to publish and dispose of all reports in the manner it thinks best for public information, and to embody and distribute the reports as records of the Exhibition.

Under these regulations it was hoped that foreign Governments would nominate jurors in the classes in which they were most interested; for, though these countries could not be expected to incur the expense of sending out jurors in every class in which they competed, yet it was anticipated that they would make appointments for those in which they were most interested, and that truly International representative juries would thus have been formed. Foreign Governments did not generally avail themselves of this most equitable regulation, and it was found that, with the exception

of the nominations by the French and Italian Commissioners, the juries would for the most part have to be chosen from residents in Victoria or the neighbouring colonies ; it was therefore decided that the freedom in selecting jurors which has hitherto been accorded to Foreign Commissioners at International Exhibitions, as regards the residence of the jurors selected by them, should be continued at the Melbourne International Exhibition, and the Commissioners were requested accordingly to cancel the regulation regarding domicile ; and at the same time it was decided that the position of juror should be an honorary one, excepting so far as personal expenses while in performance of the duties were concerned. This, combined with the necessary rule that a juror should have some practical knowledge of the class of exhibits coming under his examination, and also that he should not be interested, directly or indirectly, in any exhibit in the section to which he might be appointed, greatly restricted the number of those available for the duty, and made the choice of jurors a difficult task ; for in a country like Victoria, the great majority of those who might be classed as competent judges on any subject were, with few exceptions, more or less interested.

The regulation that each country represented should have the right to appoint a juror in each class in which they exhibited was found to be unworkable, so soon as that compelling the appointment of persons not domiciled in Victoria had been repealed. To overcome these difficulties, a conference was held on the 25th September, 1880, between the visiting Commissioners and the Committee of Juries and Awards, consisting of the Hon. J. J. Casey, C.M.G., the Hon. Jas. Munro, and G. C. Levey, Esq., C.M.G. The Hon. J. J. Casey, C.M.G., chairman of the Committee of Juries and Awards, acted as chairman, and it was decided that the Foreign Commissioners should be allowed to nominate one-half and the Victorian Commissioners the other half of the total number of jurors, irrespective of nationality or place of residence, that the number of jurors should not exceed four hundred, and that no section should consist of more than twenty. The regulation reserving to the Victorian Commissioners the right to nominate one-half of the total number was considered necessary in order that they might hold the balance of power, they being responsible for the impartiality of the juries. In accordance with this arrangement, each Commissioner (other than Victorian) was requested to send in to a subsequent meeting, the number of jurors he desired to appoint, all being restricted to one in each class. This resulted in over four hundred claims being made ; and to reduce this number, which was two hundred in excess of that fixed by resolution at the previous meeting, it was decided, at a further meeting of the conference, that the Commissioner for the United Kingdom and the Commissioners for India and the British colonies should be invited to meet and review their nominations. This was done, and their list was reduced from one hundred and eighty proposed nominations to one hundred, thus leaving one hundred jurors to be nominated by the Commissioners for Austria, Belgium, France, Germany, Italy, Japan, the Netherlands, Switzerland, and the United States. A recommendation was made to the Foreign Commissioners to meet, and, in the same manner, reduce the number of nominations submitted by them to a similar limit. After several meetings of the Foreign Commissioners, it was decided, at a meeting of the conference held on 30th October, 1880, that the various Commissioners representing Great Britain, British possessions and colonies, and foreign countries, should meet and jointly appoint two hundred jurors, with the understanding that each juror should be an international juror, irrespective of the country through which his nomination came. The difficulty being thus finally adjusted, the actual appointment of foreign jurors commenced, which was followed by the appointment of the Victorian jurors by the Executive Committee from names submitted by the committees in charge of the various sections.

The following regulations and classification was also adopted by the Conference :—

JURY REGULATIONS.

1. Jurors shall be selected for their character and their known ability to adjudicate in the departments to which they are especially assigned.
2. British, foreign, and colonial jurors shall be appointed by the representatives of each country or colony exhibiting.
3. The jurors for Victoria shall be appointed by the Melbourne Commissioners.
4. No Commissioner who is an exhibitor, or a member of any firm exhibiting, shall take part in the selection or appointment of jurors in those classes in which he exhibits.
5. No person interested, either as a partner or *employé*, in a house exhibiting shall be a juror in the classes in which such house exhibits.
6. Experts acting with jurors shall in no case compete for awards in the class in which they are acting.
7. The foreign Commissioners shall nominate one-half, and the Victorian Commissioners the other half, of the total number of jurors, irrespective of nationality or place of residence.
8. The total number of jurors shall not exceed four hundred (400).
9. Two hundred (200) jurors to be elected by the foreign Commissioners, and two hundred (200) by the Victorian Commissioners.
10. The number of members in any jury shall not exceed twenty (20).
11. Commissioners shall have the power to name substitute jurors to act in certain specified classes, but such jurors and substitutes shall have one vote only.
12. In the event of the continued non-attendance of any juror, the authority that made the appointment may be called upon by the jury to name another juror or substitute.
13. Each juror shall receive a pass that will admit him to the Exhibition buildings, and a medallion to wear while adjudicating.
14. All expenditure of money by juries shall be arranged for through the Superintendent of Juries and Awards. The Commissioners place at the disposal of each jury a sum of money proportionate to the number of exhibits upon which it will have to report, and the general importance of the work. Out of this sum the expenses and remuneration of clerk, or of the officer performing the duties appertaining to that position, will be defrayed.
15. Juries shall be called together directly after appointment and required to elect a chairman, vice-chairman, and appoint a clerk; also to arrange the division of the members into class juries.
16. Each class jury shall choose its own chairman and officers, and thereafter proceed to examine the objects which are classed in its section, and propose the order of award to the section jury of which it forms a part.
17. Class juries shall have the power to invite the co-operation of other jurors not members of the section, and to call in the aid of experts.
18. Experts shall be proposed at a full meeting, forming a quorum of a section or class jury, and must be elected by an absolute majority.
19. The names of all experts shall be forwarded to the Superintendent of Juries and Awards.
20. The chairman (or his deputy) of each jury shall convene meetings, preside over debates, and control the entry by the clerk of his jury of the propositions and resolutions, as well as the reasons for the same, in the minute-book.
21. The chairman shall have a deliberative as well as a casting vote.
22. The minutes of meetings shall be submitted by the clerk of each jury to the Superintendent of Juries and Awards.
23. Exhibits that are not the produce or manufacture of the country in whose court they are exhibited shall not be allowed to enter into competition as the produce or manufacture of such country; and an exhibitor who is not the manufacturer, producer, inventor, or designer of the article exhibited by him shall not be considered as entitled to an award.
24. Juries shall, if they consider it necessary, subdivide classes into special divisions, and make awards in such special divisions.
25. Collective exhibits shall, as a rule, be judged in their entirety as one. Should, however, an exhibitor desire otherwise, and supply the jury with due notice and the necessary information, his exhibit shall be divided, and parts judged separately, at the discretion of the jury.
26. In order to pass a resolution for awards, a quorum of not less than half the members, besides the chairman, or his deputy, shall be present at each section or class jury. Such decision must be carried by a majority of those present. The chairman shall have a deliberative and a casting vote.
27. When reporting the result of their examinations of exhibits, juries shall furnish a statement in writing giving the specific reasons for which each award shall have been made.
28. Reports and awards shall be based upon inherent and comparative merit; the elements of merit being held to include considerations relating to originality, invention, discovery, utility, quality, skill, workmanship, fitness for the purposes intended, adaptation to public wants, economy, and cost.

29. Each report shall be delivered to the Commission as soon as completed.

30. Each exhibitor shall have the right to produce and publish the report awarded to him ; but the Commission reserves the right to publish and dispose of all reports in the manner it thinks best for public information, and to embody and distribute the reports as records of the Exhibition.

31. Awards shall consist of gold, silver, and bronze medals, and a certificate of honourable mention, together with a special report of the jurors on the subject of the award.

32. The Melbourne jury system of 1875 shall be continued, and each jury shall be requested to name the exhibitors who merit recognition, and whether their reward shall be first, second, third, fourth, or fifth class, leaving the Commissioners to decide whether the highest award shall be a gold, silver, or bronze medal, or a first-class certificate.

33. All appeals against decisions of juries shall be submitted to the Superintendent of Juries and Awards, who shall have the power to call in or consult with independent experts, and on their advice may refer back to the jury whose decision shall have been appealed against. The appellant must deposit with the Superintendent of Juries and Awards the fee to be paid to the experts. If the appeal is sustained the fee will be returned.

34. In the event of a jury and the experts failing to agree, the Superintendent of Juries and Awards shall submit the reports of the jury and experts, together with his own report, to the "Committee of Juries and Awards," whose decision shall be final.

35. The Superintendent of Juries and Awards may be present at any meeting of jurors, and shall collect and submit all documents intended for the consideration of juries, send out notices of jury meetings, stating the business of the meeting, inform the foreign Commissioners and exhibitors of the days upon which examination of their exhibits will be made by juries, and give all information and procure all assistance and appliances necessary for making awards.

SYSTEM OF GENERAL CLASSIFICATION.

CLASS 1—Jury I.—*Oil Paintings.*

Paintings on canvas, on panel, and on other grounds.

CLASS 2—Jury I.—*Various Paintings and Drawings.*

Miniatures, water-colour paintings, pastels, and drawings of every kind; paintings on enamel, earthenware, and porcelain; cartoons for stained glass windows and frescoes.

CLASS 3—Jury II.—*Sculpture and Die Sinking.*

Sculpture in high relief, bas-reliefs, chased and repoussé work. Medals, cameos, engraved stones. Niello work.

CLASS 4—Jury I.—*Architectural Drawings and Models.*

Studies and details. Elevations and plans of buildings. Restorations based upon existing ruins or documents.

CLASS 5—Jury I.—*Engravings and Lithographs.*

Engravings, coloured engravings. Lithographs executed with pencil and with brush; chromo-lithographs.

CLASS 6—Jury III.—*Education of Children, Primary Instruction, Instruction of Adults.*

Plans and models of orphan asylums, infant schools; system of management and furniture of such establishments; appliances for instruction suitable for the physical, moral, and intellectual training of the child previous to its entering school. Plans and models of scholastic establishments for town and country; system of management, and furniture for these establishments. Appliances for instruction: books, maps, apparatus, and models. Plans and models of scholastic establishments for adult and professional instruction; system of management and furniture for these establishments; appliances for adult and professional instruction. Appliances for the elementary teaching of music, singing, foreign languages, book-keeping, political economy, practical agriculture and horticulture, technology, and drawing. Appliances adapted to the instruction of the blind and of deaf mutes. Works of pupils of both sexes. Libraries and publications.

CLASS 7—Jury III.—*Organisation and Appliances for Secondary Instruction.*

Plans and models of establishments for secondary instruction: lyceums, grammar schools, colleges, industrial and commercial schools; arrangement and furniture of such establishments. Collections, classical works, maps, and globes. Appliances for technological and scientific instruction, and for teaching the fine arts, drawing, music, and singing. Apparatus and methods for instruction in gymnastics, fencing, and military exercises.

CLASS 8—Jury III.—*Organisation, Methods, and Appliances for Superior Instruction.*

Plans and models of academies, universities, medical schools, practical schools, technical and practical schools, schools of agriculture, observatories, scientific museums, amphitheatres, lecture-rooms, laboratories for instruction and research; furniture and arrangement of such establishments. Apparatus, collections, and appliances intended for higher instruction and scientific research. Special exhibitions of learned, technical, agricultural, commercial, and industrial societies and institutions. Scientific expeditions.

CLASS 9—Jury IV.—*Printing, Books.*

Specimens of typography; autographic proofs; lithographic proofs, black or coloured; proofs of engravings. New books, and new editions of books already known; collections of works forming special libraries; periodical publications. Drawings, atlases, and albums.

CLASS 10—Jury IV.—*Stationery, Bookbinding, Painting, and Drawing Materials.*

Paper; card and pasteboard; inks; chalks; pencils; pastels; all things necessary for writing-desks and offices; inkstands; apparatus for weighing letters, &c.; copying presses. Objects made of paper: lamp shades, lanterns, flower-pot covers. Registers, copybooks, albums, and memorandum books; bindings, loose covers for books, cases, &c. Various products used in water-colour painting and tinting; colours in cakes, pastels, bladders, tubes, and shells. Instruments and apparatus for the use of painters, draughtsmen, engravers, and modellers.

CLASS 11—Jury I.—*General Application of the Arts of Drawing and Modelling.*

Designs for industrial purposes: designs obtained, reproduced, or reduced by mechanical processes. Decorative paintings, lithographs, chromo-lithographs, or engravings for industrial purposes. Models and small articulated wooden models of figures, ornaments, &c. Carvings. Cameos, seals, and various objects decorated with engraving. Objects modelled for industrial purposes, produced by mechanical processes, reductions, photo-sculpture, &c. Casts.

CLASS 12—Jury V.—*Photographic Proofs and Apparatus.*

Photographs on paper, glass, wood, stuffs, and enamel. Heliographic engravings, lithographic proofs. Photo-lithographic proofs, photographic stereotypes, stereoscopic proofs, and stereoscopes. Enlarged photographs. Colour photographs. Instruments, apparatus, and chemicals necessary for photography. Materials and appliances used in photographic studios.

CLASS 13—Jury VI.—*Musical Instruments and Publications.*

Non-metallic wind instruments: with common mouth-pieces, with reeds, with or without air reservoirs. Metallic wind instruments: simple, with lengthening pieces, with slides, with piston, with keys, with reeds. Wind instruments with keyboards: organs, accordions, &c. Stringed instruments played with the fingers, or without keyboards. Stringed instruments with keyboards: pianos, &c. Instruments played by percussion or friction. Automaton instruments, barrel organs, bird organs. Separate parts of musical instruments and orchestral appliances.

CLASS 14—Jury VII.—*Medicine, Hygiene, and Public Relief.*

Appliances, instruments, and apparatus requisite for anatomical and histological works. Plastic anatomical models. Instruments of medical research. Apparatus and instruments for dressing wounds and for simple surgery, general and local; anæsthetic apparatus. Surgical instruments grouped according to their purposes: instruments for amputations and dissection. Special instruments, obstetrics, ovariectomy, urinary channels, ophthalmology, dentistry, &c.; electro-therapeutic apparatus. Apparatus for plastic and mechanical prosthesis, orthopedic apparatus, apparatus for restoring persons apparently drowned or suffocated. Trusses. Baths and hydro-therapeutic apparatus; gymnastical apparatus for medical and hygienic purposes. Plans and models of hospitals, various asylums, houses of refuge, poor-houses, lunatic asylums; arrangements and furniture of such establishments. Various apparatus for infirm persons, invalids, and lunatics. Accessory objects for the medical, surgical, and pharmaceutical services in hospitals or infirmaries. Chests and cases of instruments and medicines for military and naval surgeons. Means and apparatus for succouring the wounded on battle-fields. Civil and military ambulances. Appliances, instruments, apparatus, and all things requisite for veterinary surgery.

CLASS 15—Jury VIII.—*Mathematical and Philosophical Instruments.*

Apparatus and instruments used for mathematical purposes, and for illustrating practical geometry, land-surveying, topography, and geodesy; compasses, calculating machines, levels, mariners' compasses. Apparatus and instruments for measurement: verniers, micrometric screws, dividing machines, &c.; scales for scientific uses. Optical instruments. Astronomical instruments. Physical and meteorological instruments, &c. Instruments and apparatus

requisite for laboratories and observatories. Weights and measures of various countries. Coins and medals.

CLASS 16—Jury III.—*Maps, and Geographical and Cosmographical Apparatus.*

Topographical, geographical, geological, hydrographical, and astronomical maps, atlases, &c. Physical maps of every kind. Plans in relief. Terrestrial and celestial globes and spheres. Statistical works and tables. Tables and ephemerides for the use of astronomers and sailors.

CLASS 17—Jury IX.—*Cheap and Fancy Furniture.*

Sideboards, book-cases, tables, dressing-tables, beds, sofas, couches, billiard-tables, &c.

CLASS 18—Jury IX.—*Upholsterers' and Decorators' Work.*

Bed furniture, stuffed chairs, canopies, curtains, tapestry, and other hangings. Decorative furniture made of costly stones and substances. Composition ornaments and objects moulded in plaster, carton-pierre, papier-maché, &c. Frames. Paintings and decorations for churches and houses.

CLASS 19—Jury X.—*Crystal, Glass, and Stained Glass.*

Drinking glasses of crystal, cut glass, plated and mounted crystal, &c. Table glass. Common glass-bottles. Window and mirror glass. Cast, enamelled, crackled, frosted, and tempered glass. Glass, crystals for optical purposes, ornamental glass, &c. Stained glass. Mirrors, looking glasses, &c. Venetian glass.

CLASS 20—Jury X.—*Pottery.*

Biscuit ware, hard and soft paste porcelains. Japanese, Indian, and Chinese porcelain. Fine earthenware with coloured glazing, &c. Earthenware biscuit. Terra cotta. Enamelled lava. Bricks and tiles. Stoneware.

CLASS 21—Jury IX.—*Carpets, Tapestry, and other Stuffs for Furniture.*

Carpets and rugs, moquettes, tapestry, terry, and velvet-pile, &c. Felt carpets, matting, &c. India-rubber floorcloth, &c. Furniture stuffs of cotton, wool, or silk, plain or figured. Horse-hair fabrics and leather cloths, moleskins, &c. Leather for hangings, for covering furniture, &c. Oilcloths.

CLASS 22—Jury IX.—*Paper Hangings.*

Printed paper hangings. Flock, marbled, veined paper, &c. Paper for covering, book-binding, &c. Artistic papers. Varnished and enamelled paper. Imitations of wood and of leather. Painted or printed blinds.

CLASS 23—Jury VIII.—*Cutlery.*

Knives, penknives, scissors, razors, &c. Cutlery of every description.

CLASS 24—Jury XI.—*Goldsmiths' and Silversmiths' Work.*

Church plate, ornamental plate, and table plate; gold and silver toilet articles; writing materials, &c. Electrotypes. Enamels, cloisonne, champlevé.

CLASS 25—Jury II.—*Bronzes and various Art Castings and Repoussé Work.*

Statues and bas-reliefs in bronze, cast-iron, zinc, &c. Castings coated with other metals by galvanic action. Repoussé work in copper, lead, zinc, &c.

CLASS 26—Jury VIII.—*Clocks and Watches.*

Separate parts of clocks of large or small size. Watches, chronometers, pedometers; various timekeepers, &c. Timepieces and clocks working by springs or weights, regulators, metronomes. Astronomical clocks; marine chronometers; travelling clocks. Alarums, &c. Water clocks and sand glasses. Electric clocks. Turret and church clocks.

CLASS 27—Jury XII.—*Apparatus and Processes for Heating and Lighting.*

Fire-grates, fireplaces, stoves, and hot-air stoves. Accessory objects for heating. Kitchen ranges and apparatus for heating and cooking by gas. Apparatus for heating by the circulation of hot water, steam, or heated air. Ventilating apparatus. Drying apparatus; drying stoves. Enamellers' lamps, blow-pipes, portable forges. Lamps for illuminating purposes, fed with various oils. Accessory objects for lighting. Matches. Apparatus and accessory objects for lighting by gas. Lamps for the electric light. Apparatus for the use of the electric and magnesium light.

CLASS 28—Jury XIII. and XXII.—*Perfumery.*

Cosmetics and pomatums. Perfumed oils, essences, extracts and scents, aromatic vinegar; almond paste; perfumed powders, pastilles, and scent bags; perfumes for burning. Toilet soap.

CLASS 29—Jury XIV.—*Leatherwork, Fancy Articles, and Basketwork.*

Dressing cases, workboxes, small articles of fancy furniture, liqueur cases, glove boxes, caskets. Cases and bags, jewel boxes. Purses, pocketbooks, notebooks, cigar cases. Turned, engine-turned, carved, or engraved articles in wood, ivory, tortoise-shell, &c. Snuff boxes. Pipes. Fancy toilet combs and brushes. Lacquered ware. Fancy basketwork; wickerwork for bottles; articles in fine straw.

CLASS 30—Jury XV.—*Cotton Thread and Fabrics.*

Cotton, dressed and spun. Pure cotton fabrics, plain and figured. Mixed cotton fabrics. Cotton velvet. Cotton ribands and tapes.

CLASS 31—Jury XV.—*Thread and Fabrics of Flax, Hemp, &c.*

Flax, hemp, and other vegetable fibres spun. Linen and drills. Cambric. Linen fabrics mixed with cotton or silk. Fabrics made from vegetable fibres as substitutes for flax and hemp.

CLASS 32—Jury XVI.—*Worsted Yarn and Fabrics.*

Carded wool, worsted yarn. Muslins de laine, Scotch cashmere, merinos, serges, &c. Ribands and laces of wool, mixed with cotton or thread, silk, or floss silk. Hair tissues, pure or mixed.

CLASS 33—Jury XVI.—*Woollen Yarn and Fabrics.*

Combed wool and woollen yarn. Cloth and other woollen fabrics. Blankets. Felt of wool or hair for carpets, hats. Shoes. Woollen fabrics, unmilled or slightly milled; flannel, tartans, swansdown.

CLASS 34—Jury XVII.—*Silk and Silk Fabrics.*

Raw and thrown silk. Floss silk yarn. Silk fabrics: pure, plain, figured, brocaded. Silk fabrics mixed with gold, silver, cotton, wool, thread. Manufactures of floss silk, pure or mixed. Velvet and plush. Silk ribands, pure or mixed.

CLASS 35—Jury XVI.—*Shawls.*

Woollen shawls, pure or mixed. Cashmere shawls. Silk shawls, &c.

CLASS 36—Jury XVII.—*Lace, Net, Embroidery, and Trimmings.*

Thread or cotton lace made with the distaff, the needle, or the loom. Lace made of silk, worsted, or mohair. Gold and silver lace. Silk or cotton net, plain or figured. Tambour embroidery, crochetwork, &c. Gold, silver, and silk embroidery. Church embroidery. Embroidery, tapestry, and other work done by the hand. Lacework and trimmings of silk, floss silk, worsted, mohair, horsehair, thread, and cotton; laces. Lacework and trimmings, real or imitation; lacework for military uniforms.

CLASS 37—Jury XV.—*Hosiery and Underclothing and Accessories of Clothing.*

Hosiery of cotton, thread, wool, cashmere, silk, or floss silk, pure or mixed. Elastic fabrics. Underclothing for men, women, and children; baby linen. Flannel and other woollen garments. Stays, scarves, gloves, gaiters, garters, braces, fans, screens, umbrellas, parasols, walking-sticks, &c.

CLASS 38—Jury XV.—*Clothing for both Sexes.*

Men's clothes; women's clothes. Waterproof clothing. Men and women's head-dresses; artificial flowers and feathers. Wigs and works in hair. Boots and shoes. Children's clothes. Clothing peculiar to various professions and trades. Native costumes of different countries.

CLASS 39—Jury XI.—*Jewellery and Precious Stones.*

Jewellery in precious metals (gold, platinum, silver, aluminium), chased, filigreed, set with precious stones, &c. Plated and imitation jewellery. Ornaments in jet, amber, coral, mother-of-pearl, steel, &c. Diamonds, precious stones, pearls, and imitations.

CLASS 40—Jury XVIII.—*Portable Weapons and Hunting and Shooting Equipments.*

Defensive armour: cuirasses and helmets. Blunt weapons; maces, life-preservers. Side-arms: foils, swords, sabres, bayonets, lances, axes, hunting knives. Missile weapons: bows, cross-bows, slings. Fire-arms: guns, rifles, pistols, and revolvers. Accessory objects appertaining to every kind of small arms: powder-flasks, bullet-moulds, &c. Round, oblong, hollow, and explosive projectiles. Percussion-caps, priming, cartridges. Hunting and sporting equipments.

CLASS 41—Jury XIV.—*Travelling Apparatus and Camp Equipage.*

Trunks, valises, saddle-bags, &c. Dressing-cases and travelling-cases. Various objects. Travelling-rugs, cushions, caps, travelling-costumes and boots, iron-shod sticks, grapnel-hooks,

sun-shades, &c. Portable apparatus specially intended for scientific voyages and expeditions; travelling photographic apparatus and instruments for astronomical and meteorological observations; equipments and implements for geologists, mineralogists, naturalists, colonists, pioneers, &c. Tents and camp equipage. Beds, hammocks, folding chairs, &c.

CLASS 42—Jury XIV.—*Toys.*

Dolls and playthings; dolls and figures in wax. Games for the amusement of children and adults. Instructive games.

CLASS 43—Jury XIX.—*Products of the Cultivation of Forests and of the Trades appertaining thereto.*

Specimens of different kinds of forest trees. Wood for cabinetwork, for firewood, and for building. Timber for ship-building; staves; cleft timber shingles. Cork: bark for textile purposes. Tanning, colouring, odoriferous, and resinous substances. Products obtained from forests: charcoal and dried wood; raw potash; turnery; basketwork; strawwork; wooden shoes, &c.

CLASS 44—Jury XVIII.—*Products of Hunting, Shooting, Fishing, and Spontaneous Products. Machines and Instruments connected therewith.*

Collections and drawings of terrestrial and amphibious animals, of birds, eggs, fishes; of cetacea, of mollusca, and crustacea. Products of hunting and shooting: furs and skins, hair, bristles, undressed feathers, down, horn, teeth, ivory, bone, tortoise-shell, musk, castoreum, and analogous products. Products of fishing: train oil, spermaceti, &c. Whalebone, ambergris, shells of mollusca, pearls, mother-of-pearl, sepia, purple, coral, sponge. Vegetable products of the earth, obtained without culture: mushrooms, truffles, wild fruit, lichens used as dyes, food, and fodder; fermented sap; Peruvian bark; useful barks and filaments; wax, resinous gums; indiarubber, guttapercha, &c. Traps and snares: fishing lines and hooks, harpoons, nets, bait, and fishing apparatus. Apparatus and instruments for gathering the products obtained without culture.

CLASS 45—Jury XX.—*Agricultural Products not used for Food.*

Textile materials: raw cotton, flax and hemp, scutched and unscutched; textile vegetable fibres of all kinds; cocoons of the silkworm. Various agricultural products used in manufactures, in pharmacy, and for household purposes; oleaginous plants; oil, wax, resin. Tobacco in leaves or manufactured. German tinder. Tanning and dyeing substances. Preserved fodder, and substances specially intended for feeding cattle.

SUB-CLASS —, Jury XXI.—*Wool, washed or unwashed.*

CLASS 46—Jury XIII. and XXII.—*Chemical and Pharmaceutical Products.*

Acids, alkalis, salts of all kinds. Sea-salt and products extracted from mother water. Various products of chemistry: wax and fatty substances; soaps and candles; raw materials used in perfumery; resins, tar, and the products derived from them; essences and varnishes; various coating substances; blacking. Objects made of indiarubber and guttapercha; dyes and colours. Mineral waters and natural and artificial aerated waters. Raw materials used in pharmacy. Medicines, simple and made up.

CLASS 47—Jury XIII. and XXII.—*Chemical Processes for Bleaching, Dyeing, Printing, and Dressing.*

Specimens of threads and fabrics, bleached or dyed. Specimens of fabrics prepared for dyeing. Specimens of printed or dyed linen, of printed cotton fabrics, pure or mixed. Specimens of printed worsted or woollen fabrics, pure or mixed, combed or carded. Specimens of printed silk fabrics, pure or mixed. Specimens of printed felt or cloth carpets. Oilcloth.

CLASS 48—Jury XXIII.—*Leather and Skins.*

Raw materials used in the dressing of skins and leather. Raw hides, salted hides. Tanned, curried, dressed, or dyed leather. Varnished leather. Morocco and sheepskin; skins grained, shamoyed, tawed, dressed, or dyed. Prepared skins for glove-making. Skins and furs, dressed and dyed. Parchment. Gutwork: strings for musical instruments, gold-beater's skin, sinews.

CLASS 49—Jury XXIV. and XXV.—*Agricultural Implements and Processes used in the Cultivation of Fields and Forests.*

Plans of culture, distribution, and management of crops. Apparatus and works for agricultural engineering, draining, irrigation, &c. Plans and models of farm buildings. Tools, implements, machines, and apparatus used in husbandry, sowing and planting, harvesting, preparation and preservation of crops. Various agricultural machines worked by horse-power or by steam. Carts and other rural means of transport. Locomotives, engines, and horse-

powers. Manures, organic and mineral. Apparatus for the physical and chemical study of soils. Plans of different systems of re-planting, managing, and cultivating forests. Apparatus used in the cultivation of forests, and in the trades appertaining thereto, and in the manufactory of tobacco.

CLASS 50—Jury XXIV. and XXV.—*Apparatus and Processes used in Agricultural Works, and in Works for the Preparation of Food.*

Apparatus used in agricultural works: manufacture of artificial manures; of drain pipes; cheese factories, dairies; apparatus used in preparing flour, fecula, starches, oils; apparatus used in breweries, distilleries, sugar manufactories and refineries; workshops for the dressing of textile materials; silk-worm nurseries, &c. Apparatus used in the preparation of alimentary products and for the manufacture of vermicelli, macaroni, and for roasting coffee; mechanical appliances for kneading and baking; apparatus used in making pastry and confectionery. Machines for making sea biscuits. Chocolate machines. Apparatus for making ices and cool drinks; manufacture and preservation of ice.

CLASS 51—Jury XIII. and XXII.—*Apparatus used in Chemistry, Pharmacy, and Tanning.*

Laboratory utensils and apparatus. Apparatus and instruments used in assays for industrial and commercial purposes. Processes and apparatus used in the manufacture of chemicals, soaps, and candles; essences, varnishes, and articles made of indiarubber and guttapercha. Processes and apparatus used in gasworks, in bleaching, in glassworks, and in china and earthenware manufactories. Processes used in the preparation of pharmaceutical products, in tanyards, and in leather dressing.

CLASS 52—Jury XXVI.—*Machines and Apparatus in General.*

Separate pieces of machinery: bearings, rollers, slide-bars, eccentrics, toothed wheels, connecting rods, cranks, parallel joints, belts, funicular apparatus, &c. Gearing, spring and catchwork, &c. Regulators and governors. Lubricators. Machines for counting and registering. Dynamometers, steam gauges, weighing machines. Gauges for liquids and gas. Machines used for moving heavy weights. Hydraulic machines for raising water, &c.; norias (chain pumps), scoop wheels, hydraulic rams, &c. Hydraulic engines, water wheels, turbines, hydraulic lifts, centrifugal, steam, and other pumps. Accumulators and hydraulic presses. Steam engines. Boilers, steam generators, and apparatus appertaining thereto. Apparatus for condensing steam. Machines set in motion by the evaporation of ether, chloroform, ammonia, or by a combination of gases. Machines set in motion by gas, hot air, and compressed air. Electro-magnetic machines. Windmills and panemones. Air-balloons.

CLASS 53—Jury XXVI.—*Machine Tools.*

Travelling circular saw benches, self-acting, for breaking down heavy timber. Machines for boring timber used in fencing. Engines and tools for preparing wood for the workshop. Machines for making casks. Machines for cutting cork. Lathes, boring and planing machines. Slotting, drilling, and shaping machines. Screw-cutting engines and riveting machines. Various kinds of tools used in machine workshops. Tools, engines, and apparatus for pressing, crushing, working up, sawing, polishing, &c. Special tools and engines used in various trades.

CLASS 54—Jury XXXVII.—*Apparatus and Processes used in Spinning and Rope-making.*

Hand-spinning apparatus. Separate parts of spinning apparatus. Machines and apparatus used in the dressing and spinning of textile materials. Apparatus and processes for the subsidiary operations appertaining thereto; for drawing, winding, twisting, throwing, dressing. Apparatus for separating the qualities and numbering the thread. Materials used in rope manufacture. Round, flat, tapering cables, cord and twine, wire-ropes, cables with wire core, rope matches, quick-matches, &c.

CLASS 55—Jury XXXVII.—*Apparatus and Processes used in Weaving.*

Apparatus used in the preparation of materials for weaving: warping mills, spooling (winding) machines. Card-making for the jacquard looms. Hand looms and mechanical looms for the manufacture of plain fabrics. Looms for the manufacture of figured and brocaded stuffs: damask looms, electric looms. Looms for the manufacture of carpets and tapestry. Mesh weaving looms for the manufacture of hoisery and net. Apparatus for making lace. Apparatus used in the manufacture of lace-work. High warp looms, and different modes of preparing the bobbins for weaving. Accessory apparatus: machines for fulling, calendering, figuring, watering, measuring, folding, &c.

CLASS 56—Jury XXXVII.—*Apparatus and Processes for Sewing and for Making-up Clothing.*

Ordinary implements used by tailors and seamstresses. Sewing, quilting, hemming, and embroidering machines. Implements for cutting out materials and leather for making

garments and shoes. Machines for making, nailing, and screwing boots and shoes, and for the application of indiarubber.

CLASS 57—Jury XXVI.—*Apparatus and Processes used in the Manufacture of Furniture and Objects for Dwellings.*

Machines for cutting veneers, the mouldings and beadings of frames, the squares of inlaid floors, furniture, &c. Lathes and other apparatus used in carpentering and cabinet-making. Turning webs, vertical and circular saw frames, shingle cutters, &c. Machines for stamping and burnishing. Machines and apparatus for working stucco, papier-maché, ivory, bone, and horn. Machines for pointing, carving, and reducing statues; for engraving, engine-turning, &c.; for making bricks and tiles; artificial stones; for sawing and polishing hard stones, marbles, &c.

CLASS 58—Jury XXXVII.—*Apparatus and Processes used in Paper-making, Dyeing, and Printing.*

Materials and products of the manufacture of pulps for making paper, of wood, straw, alpha, &c. Processes and products of the bleaching of wood fibre. Apparatus for making paper by hand and by machinery. Apparatus for pressing, glazing, watering, embossing, and ruling paper. Machines for cutting out, paring, stamping paper, &c. Apparatus for bleaching and dyeing, for the preparation of paper and tissues, for printing paper-hangings and tissues. Machines for engraving cylinders for printing. Materials, apparatus, and products of type-founding, stereotypes, &c. Machines and apparatus used in typography, stereotyping, copper-plate printing, autography, lithography, chalcography, paniconography, chromolithography, &c. Machines for setting up and sorting types. Printing of bank notes, postage stamps, &c.

CLASS 59—Jury XXXVII.—*Machines, Instruments, and Processes used in various Works.*

Coining presses. Machines for making buttons, pens, pins, envelopes; packing machines, brush-making machines, machines for making cards, capsules; for affixing lead seals to merchandise; for corking bottles, &c. Tools for, and processes of making clocks, toys, marqueterie, baskets, &c. Machines for binding books. Writing machines.

CLASS 60—Jury XXVII.—*Carriages and Wheelwrights' Work.*

Separate parts of wheels and carriages: wheels, tires, axles, axle-boxes, iron-work, &c. Springs and various methods of hanging carriages. Different systems of harnessing. Breaks. Wheelwrights' work: waggons, tumbrels, drays, and other vehicles for special purposes. Carriages; public, state, and private carriages; sedan chairs, litters, sledges, &c., velocipedes.

CLASS 61—Jury XXIII.—*Harness and Saddlery.*

Various articles used for carriage horses and saddle horses; pack-saddles, saddles, bridles, and harness for saddle horses, beasts of burden, and draught horses; stirrups, spurs, whips.

CLASS 62—Jury XXVIII.—*Railway Apparatus.*

Separate parts: springs, buffers, breaks. Permanent way: rails, chairs, crossings, switches, fish plates, turn-tables; buffers, feeding cranes and tanks; optical and acoustic signals. Permanent way for tramways. Rolling stock: waggons for passengers, for carrying earth, goods, cattle; locomotives, tenders. Self-moving carriages; locomotives, for roads. Special tools and machines for the maintenance, repair, and construction of railways. Apparatus for inclined planes and self-acting planes; apparatus and engines for atmospheric railways; models of engines, of systems of traction, of apparatus appertaining to railways. Models, plans, and drawings of platforms, stations, and engine houses, and other buildings necessary for the working of railways.

CLASS 63—Jury XXIX.—*Telegraphic Apparatus and Processes.*

Appliances for telegraphs based on the transmission of light, sound, &c. Apparatus for the electric telegraph, posts, wires, stretchers, &c. Batteries and apparatus for sending and receiving messages. Bells and electric signals. Telegraphs for military purposes. Objects appertaining to telegraphy: lightning conductors, commutators, prepared paper for printing messages, and for sending autographic messages. Special apparatus for pneumatic telegraphy.

CLASS 64—Jury XII.—*Apparatus and Processes of Civil Engineering, Public Works, and Architecture.*

Building materials: stone, wood, metals; ornamental stone; lime, mortar, cements, artificial stone and concrete; asphalte; roofing tiles, bricks, paving tiles; slates, pasteboard, and felt for roofing. Apparatus and products of processes used in the preservation of wood. Apparatus and instruments for testing building materials. Apparatus for earthworks, excavators. Apparatus used in building yards. Tools and processes used by stone dressers

and cutters, masons, carpenters, tilers, blacksmiths, joiners, glaziers, plumbers, house painters, &c. Locksmiths' work; locks, padlocks, railings, balconies, bannisters, &c. Apparatus and engines used in making foundations; pile-drivers and pile work, screw piles, pumps, pneumatic apparatus, dredging machines, &c. Apparatus used in hydraulic works connected with harbours, canals, rivers; machines used in reducing stones, quartz, or other hard substances. Apparatus used in the supply of water and of gas. Apparatus used in the maintenance of roads, plantations, and public walks. Models, plans, and drawings of public works; bridges, viaducts, aqueducts, drains, canal bridges, dams, weirs, &c. Lighthouses. Public buildings for special purposes; buildings for civil purposes; mansions and houses for letting; workmen's towns, industrial dwellings, &c.

CLASS 65—Jury XXX.—*Navigation and Life-saving.*

Drawings and models of slips, graving docks, floating docks, &c. Drawings and models of vessels of all kinds, sea-going and for rivers. Models of the systems of ship-building adopted in the navy. Boats and barges. Materials for the rigging of ships. Flags and signals. Apparatus for the prevention of collisions at sea. Buoys, beacons, &c. Apparatus for swimming, diving, and life-saving exhibited in action; floats, swimming belts, &c. Diving belts, cork jackets, nautilus life-belts, &c. Submarine boats; apparatus for saving life at sea, rocket apparatus, life-boats, &c. Apparatus of all kinds used for saving life from fires and other accidents. Pleasure boats, yachts, &c.

CLASS 66—Jury XVIII.—*Materials and Apparatus for Military Purposes.*

Military engineering and fortifications. Artillery, gun-carriages, and weapons and projectiles of every kind. Military equipment, clothing, encampments, transport service, topography and geography.

CLASS 67—Jury XXXI. and XXXII.—*Cereals, Farinaceous Products, and Products derived from them.*

Wheat, rye, barley, rice, maize, millet, and other cereals in grain and in flour. Grain without husk, and groats. Fecula from potatoes, rice, lentils, &c., gluten. Tapioca, sago, arrowroot, cassava, and other fecula, compound farinaceous products, &c. Italian pastes, semolina, vermicelli, macaroni. Alimentary preparations as substitutes for bread, home-made paste, &c.

CLASS 68—Jury XXXI. and XXXII.—*Bread and Pastry.*

Various kinds of bread, with or without yeast, fancy bread and bread in shapes, compressed bread for travelling, military campaigns, &c. (See Biscuits.) Pastry of various kinds peculiar to each country. Gingerbread and dry cakes capable of being preserved.

CLASS 69—Jury XXXI. and XXXII.—*Fatty Substances used as Food. Milk and Eggs.*

Fatty substances and oils good for food. Fresh and preserved milk; fresh and salt butter; cheese. Eggs of all kinds.

CLASS 70—Jury XXXIII.—*Meat and Fish.*

Salt meat of all kinds. Meats preserved by various processes. Meat and soup cakes. Hams and prepared meats. Poultry and game. Salt fish, fish in barrels: cod, herrings, &c.; fish preserved in oil: sardines, tunny, &c. Crustacea and shell-fish: lobsters, shrimps, oysters, potted oysters, anchovies, &c.

CLASS 71—Jury XXXI. and XXXII.—*Vegetables and Fruit.*

Tubers: potatoes, &c. Dry farinaceous vegetables: beans, lentils, &c. Green vegetables for cooking: cabbages, &c. Vegetable roots: carrots, turnips, &c. Vegetables used for flavouring: onions, garlic, &c. Salads, cucumbers, gourds, pumpkins, melons, &c. Vegetables preserved by various processes. Fresh fruit; dried and prepared fruits; prunes, figs, raisins, &c. Fruits preserved without sugar.

CLASS 72—Jury XXXI. and XXXII.—*Condiments and Stimulants, Sugar and Confectionery.*

Spices, pepper, cinnamon, allspice, &c. Table salt. Vinegar. Compound condiments and stimulants: mustard, kari, English sauces, &c. Tea, coffee, and other aromatic beverages, chicory and sweet acorn coffee. Chocolate. Sugar for household purposes: grape sugar, sugar of milk. Confectionery: sugar plums, bonbons, nougats, angelica, aniseed, &c., preserves and jellies. Dried and preserved fruits: cedrates, lemons, oranges, pineapples. Fruits preserved in brandy. Syrups and liqueurs.

CLASS 73—Jury XXXIV.—*Fermented Drinks.*

Vin ordinaire, red and white. Sweet wines and still wines. Sparkling wines.

Jury XXXIV_A.—*Spirits.*

Brandies and alcohols. Spirits; whisky, gin, rum, tafia, kirsch, &c.

Jury XXXIV_B.—*Vermouth.*Jury XXXIV_C.—*Cordials and Liqueurs.*

Fermented drinks made from vegetable sap, from milk, and sweet substances of all kinds.

Jury XXXV.—*Beers.*

Ale, porter, cider, perry, and other beverages made from cereals.

CLASS 74—Jury XXIV. and XXV.—*Specimens of Farm Buildings and Agricultural Works.*

Examples of the farm buildings of various countries. Examples of stables, cattle-sheds, sheepfolds, pig-sties, and of premises for rearing and fattening such animals. Utensils used in stables, cattle sheds, kennels, &c. Apparatus for preparing the food of animals. Agricultural machinery in motion; steam ploughs, reaping and binding and mowing machines, hay-making machines, threshing, finishing, and dressing machines, &c. Specimens of agricultural works: distilleries, sugar mills, sugar refineries, breweries, works for the preparation of flour, fecula, starch; silkworm nurseries, &c. Apparatus for artificial hatching. Presses for wine, cider, oil.

CLASS 75—Jury XXXVI.—*Conservatories and Horticultural Apparatus.*

Gardeners', nurserymen's, and horticulturists' tools. Apparatus for watering and keeping turf in order, &c. Large conservatories and apparatus appertaining thereto. Room and window conservatories. Aquariums for aquatic plants. Fountains and other means for ornamenting gardens.

CLASS 76—Jury XXXVI.—*Flowers and Ornamental Plants.*

Species of plants and examples of culture exhibiting the characteristic types of the gardens and dwellings of each country.

CLASS 77—Jury XXXVI.—*Vegetables.*

Species of plants and examples of culture exhibiting the characteristic types of the kitchen gardens of each country.

CLASS 78—Jury XXXVI.—*Fruit and Fruit Trees.*

Species of plants and specimens of products exhibiting the characteristic types of the orchards of each country.

CLASS 79—Jury XXXVI.—*Seeds and Saplings of Forest Trees.*

Species of plants and specimens of products illustrating the processes followed in each country for planting forests.

CLASS 80—Jury XXXVI.—*Plants for Conservatories.*

Illustrations of the mode of culture adopted in various countries, with a view either to pleasure or to utility.

CLASS 81—Jury XXVIII.—*Apparatus and Processes of the Art of Mining and Metallurgy.*

Boring apparatus for artesian wells and wells of large diameters. Boring machines and apparatus for breaking down coal and cutting rocks. Apparatus for blasting by electricity. Models, plans, and views of the mode of working in mines and quarries. Works for obtaining mineral waters. Machines and apparatus used for extracting ore, and for lowering and hoisting miners. Winding, pumping, and crushing machinery. Safety cages and hooks; signals and other appliances for lessening the danger in mines. Machines for draining; pumps. Ventilating apparatus; ventilators. Safety lamps; lamps for electric light. Apparatus for the mechanical dressing of ores and mineral fuel. Apparatus for compressing fuel into cakes. Apparatus for the carbonisation of fuel. Smelting furnaces. Smoke-consuming apparatus. Apparatus used in metal works. Special apparatus used in forges and foundries, electro-metallurgical apparatus. Apparatus used in metal manufactures of all kinds. Drawings of different classes of machinery used in mining.

CLASS 82—Jury XXVIII.—*Mining and Metallurgy.*

Collections and specimens of rocks, minerals, ores. Ornamental stones. Hard stones. Refractory substances. Earths and clays. Various mineral products. Raw sulphur. Rock salt; salt from salt springs. Mineral fuel, various kinds of coal, coal dust, and compressed coal. Asphalt and rock asphalt. Bitumen. Mineral tar. Petroleum, &c. Metals in a crude state: pig-iron, iron, steel, cast-steel, copper, lead, gold, silver, zinc, antimony, &c. Alloys. Products of washing and refining precious metals, of gold-beating, &c. Electro-metallurgy: objects gilt,

silvered, or coated with copper, steel, nickel, &c., by the galvanic process. Products of the working of metals: rough castings, bells, wrought-iron, iron for special purposes, sheet-iron and tin plates, iron plates for casing ships and constructions, &c. Sheet-iron coated with zinc or lead; copper, lead, and zinc sheets, &c. Manufactured metals: blacksmiths' work, wheels and tires, unwelded pipes, chains, &c. Wire drawing. Needles, pins, wire-ropes, wire-work, and wire-gauze, perforated sheet-iron. Hardware, edge tools, ironmongery, copper, sheet-iron, tinware, &c. Other metal manufactures.

After the nominations of jurors it was found that many gentlemen invited declined to act, and fresh appointments had to be made. Several of the leading residents from the neighbouring colonies, who had at first signified their willingness to do so, found that they could not protract their visit here a sufficient length of time to enable them to undertake these duties; thus further delays were caused, and it was not until nearly the end of November that the majority of the juries were fully at work. The hot weather and the Christmas holidays made a serious break. Many of the juries adjourned until the middle or end of January, and then it was with difficulty that all the members could be brought together again, and several juries requested the Committee of Juries and Awards to allow them to strike off their roll the names of continued absentees, as otherwise they could not comply with the Regulation No. 26, determining the quorum necessary for making awards.

Great difficulty was experienced in finding jurors to act in some sections, especially in section 6—musical instruments. This jury was not formed till 8th January, 1881, two special meetings of the Conference being held to consider the protests of exhibitors against members nominated. This difficulty did not arise from any desire to appoint interested persons, or those who might favour the makers of one country more than another; but from the fact that nearly all who were qualified to act were more or less interested in some manner either directly or indirectly.

It is only fair to the juries that you should be informed of some of the most striking difficulties met with in making their awards.

A schedule form was issued to each exhibitor, requesting him to state the country or colony from which the exhibit came, the class in which he desired to place it, and the name of the exhibitor; the merits of the exhibit, and whether attention was specially claimed thereto in respect of originality, invention, discovery, utility, quality, skill, workmanship, fitness for the purposes intended, adaptation to public wants, economy, or cost.

The classification originally published by the Commissioners was necessarily an imperfect one; many classes of goods and products were named that were not represented in the Exhibition, while, on the other hand, many exhibited were omitted from the classification. Some juries were overloaded, while others had but little to do. The questions as to what class a certain exhibit belonged were endless. Exhibitors scheduled exhibits as belonging to a class, and the jurors declined to adjudicate on them, stating that they did not come into their section, according to their reading of the Exhibition classification; and, on the other hand, jurors of one section claimed exhibits scheduled to another. This led to some confusion, and no doubt annoyed exhibitors and the Foreign Commissioners who were looking after their interests. Still, from want of knowledge beforehand as to what would be the exact nature of the exhibits forwarded, it was impossible to have a perfect classification; and, in spite of all exertions, some exhibits were judged by more than one jury, and received a different degree of award from each. When such cases were reported to the Committee of Juries and Awards, it was decided that the highest award given should be the only one recorded.

Instances occur where it would appear that this rule has not been observed, but though different juries have given awards for the same exhibit, yet it will be noticed that these exhibits present elements, some of which fairly come within the province

of each jury recording its decision ; to give an instance—maps were judged by Jury I. from a fine-art point of view for excellence of engraving, by Jury III. from an educational standpoint for accuracy and completeness of information, and by Jury IV. as publications and lithographic printing.

Most of the juries adopted a system of marks, arbitrarily limiting the number to govern the first, second, third, fourth, and fifth awards; and in most cases this was found to answer admirably, but in some it was found to give a minority of the jury the power to overrule the desire of the majority, by giving extremely low numbers : this was especially the case when the numbers given by the majority would barely suffice to place the exhibit within the limit given to an order of merit. I mention this simply because this system of marking by numbers or marks was said by those who had experience at other Exhibitions to have given satisfaction, and to have been adopted generally for exhibition juries, and was, therefore, recommended for the adoption of our juries. A fairer way, it seems, would be to decide, not by the number of marks, but by the votes of the individual members, based upon the marks entered by them in their note-books at the time of inspection. This plan was adopted by several juries who found themselves liable to be ruled by a minority.

Several of the foreign courts were not wholly prepared for adjudication till late in December, and, consequently, the work of juries in those courts was, to some extent, delayed ; and schedules kept coming in long after the date fixed for their reception.

Many exhibitors entered a number of objects as “collective exhibits,” and, at the same time, scheduled the separate items for adjudication either for the same, or, as in some instances, for different juries, claiming awards for each part as well as a collective award for the whole under Regulation 25 ; but this was found to be unjust, as items of the collection might obtain awards of different degrees of merit, while, if the collection as a whole was considered, it might be deemed worthy of a first degree of merit, and thus lead to confusion as to the actual merit of each portion of the exhibit. After due consideration it was decided that an exhibitor could not claim an award for both a collective, as well as for a part of the same exhibit, though all portions might be judged separately and receive distinct awards.

Some collective exhibits were made up by several manufacturers and entered to compete as a single exhibit, claiming the privilege under Regulation 25 ; but it was deemed unfair to allow combinations of this kind to compete with the exhibits of individuals : the Regulation cited was framed to meet the cases of individual exhibitors, not that of combinations.

Considerable embarrassment was experienced by the jurors owing to the paucity of information supplied by many exhibitors or agents in the schedules submitted for the guidance of the jury. In some cases the schedules contained nothing more than the name of the exhibitor and of the exhibit, whilst in others considerable pains were taken to recapitulate the awards gained elsewhere, whilst information as to the merits claimed by the exhibitor or the points upon which it was desired to be judged were not indicated ; also, as economy was one of the elements of merit to be considered, it is to be regretted that exhibitors neglected, in many instances, to supply jurors with reliable information upon that point. In some cases houses of undoubted merit and world-wide fame, whilst consenting to exhibit, have done so in an apparent half-hearted manner, so that their exhibits were surpassed, both in extent and quality, by younger and less known competitors. This, as jurors were called upon to decide the merits of the exhibits under their examination, and were precluded from allowing commercial reputations to influence their decisions, when unsupported by the exhibits themselves, resulted in such houses necessarily and justly taking secondary positions in the awards.

Some exhibitors showed articles specially made for exhibition, while most others exhibited from their trade stock, and to have given the highest award to those who

displayed objects so exceptionally manufactured, and a second or third award to ordinary first-class trade articles, would have been manifestly unjust. In nearly every class several first-class awards will be found. Where only one is named it has been because it was considered a trade exhibit, and to have been so far in advance of all others that none could be classed with it. The juries, therefore, were not called upon to single out that which they might deem the best, nor which class should receive the gold, silver, or bronze medal; this latter question being left to the Commission, according to the regulations.

Many of the juries were assisted in forming their decisions by practical tests outside those made at the time of inspection. Among the articles thus specially examined were printing and writing inks, watches and chronometers, building cements, washing machines, ship and signal lamps, chemical and pharmaceutical products, reapers, harvesters, strippers, winnowers, &c.; fire engines, rock-borers, telephones, sporting guns and rifles, blasting compounds, railway brakes, tea, and sewing machines.

The system of appeal from jury decisions, provided for by the regulations, has been fairly successful, but has entailed an immense amount of labour and expense through the difficulty of finding experts competent to criticise or alter the awards of the jury, and has led to delay; in some cases no experts could be found who felt qualified to review the jury decisions. Where the Committee of Juries and Awards experienced a difficulty in deciding between juries and experts upon appeals, the matter was referred to the committee upon that section of the Exhibition; and where the report of that committee differed from both jurors and experts, their report was referred back with the recommendation that they should confer with the experts, and bring in a joint report, upon which the Committee of Juries and Awards acted; four hundred and eighty-one appeals were received, of which two hundred and forty-seven were sustained by the experts and Committee of Juries and Awards. I cannot say that I would recommend this system to be adopted again at any future exhibition, and would suggest, in lieu thereof, that no appeal be allowed except back to the jury in instances where the exhibit had been overlooked or unfairly treated.

Several exhibits admitted after the date fixed for final reception, were examined by the juries, and included in their awards; but the awards have not been passed by the committee, except in the case of exhibits received as duplicates of those lost in the "Sorata" and "Eric the Red."

In awarding the degrees of merit the jurors were requested to make no special awards, but to follow as closely as possible the system of awards adopted by the Commissioners of the Melbourne Exhibition of 1875, at the instance of the late Sir Redmond Barry and yourself, which was, that juries were desired to examine and make an award on each exhibit, fixing a degree of merit by a known standard; one exhibit was not to compete with another, but every one was to be judged by itself on its own merits; and that not only was the best to receive the first reward, but all first-class exhibits were to receive this distinction. This, though perhaps unfair to the best exhibit, was considered to be the most equitable way to make the awards, for jurors had but a very short time in which to form an opinion on mechanical and manufactured articles, and many that might appear best during the currency of the Exhibition or the period of test might fail in more extended trials.

Each exhibition seems to have had its own system of distribution of medals. Philadelphia gave a bronze medal for all first-class awards, accompanied by a special report or a certificate; at the Paris Exhibition a certain number of gold, silver, and bronze medals, and honourable mentions, were allotted to each jury for distribution, and as each country exhibiting was represented on the jury, the tendency was to divide the gold medals amongst the countries exhibiting, with but little reference to the individual merits of the exhibits as compared with one another.

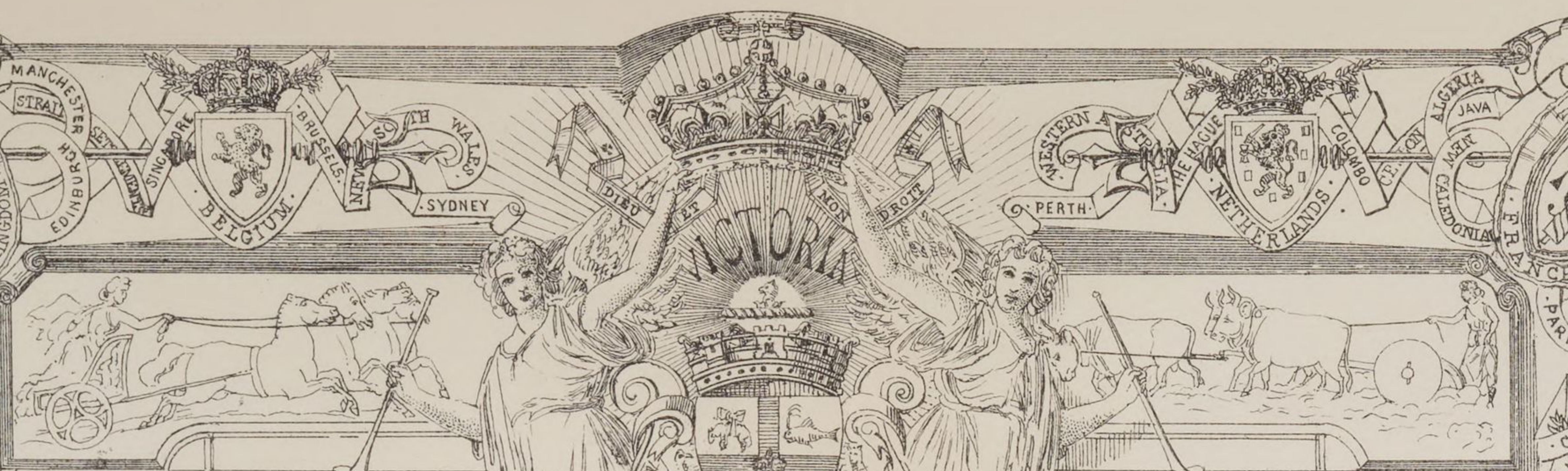
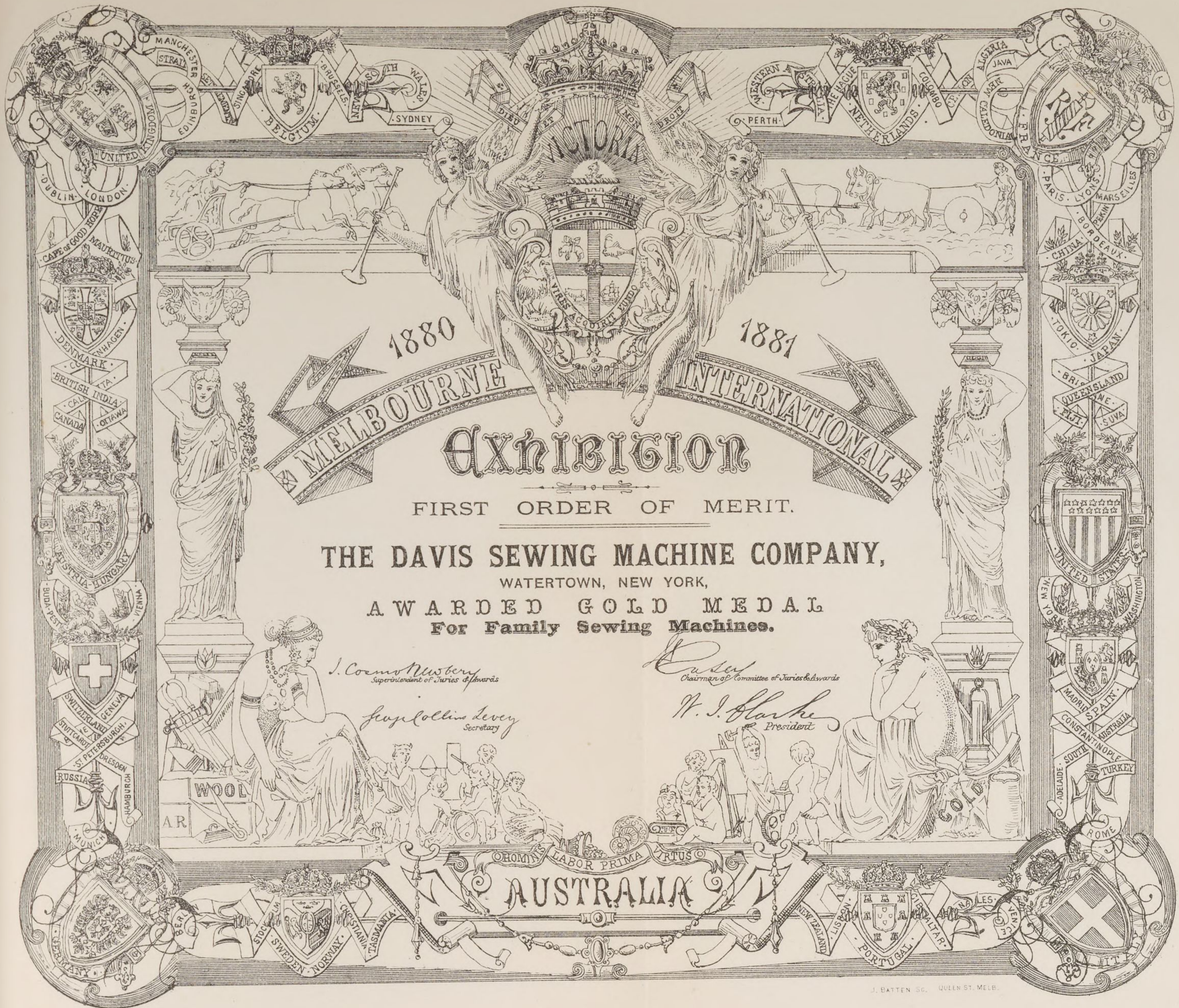
The Commission having decided to award gold, silver, and bronze medals, the Committee of Juries and Awards distributed the medals in the following manner :— Gold—1st. For application of new and useful principles, for the production or improvement of useful machines, or showing great skill in manufacture, invention, or design of exhibit. 2nd. For objects of art. 3rd. For manufactures, products, and industries of high merit. Silver and bronze medals and certificates to be given to exhibits of lesser importance than above. Only awards of first order of merit in each class are given a medal, and all similar exhibits taking first awards in any class or division receive the same description of medal ; in some of less general importance a certificate is given, and not a medal. This plan of distribution is, I believe, novel, though based on the system adopted by the Intercolonial Exhibition of 1875 ; it is gratifying to hear it commended by nearly all the foreign Commissioners and exhibitors as one of the most fair and just adopted at any International Exhibition, and one likely to form the basis of jury regulations at future exhibitions. There may be differences of opinion as to the distribution of gold, silver, or bronze medals ; many, no doubt, would consider that important branches of industry like agriculture should have been awarded gold medals for its most valued products, such as wheat and other cereals ; but if cereals received this award, a similar one would necessarily have to be given for flour, biscuits, bread, rice, pastes, coffee, tea, cocoa, and all like important alimentary substances. After due consideration, it was decided that these products would be fairly rewarded by silver and bronze medals, according to what was considered their relative importance. By several the Commission have been criticised for giving a gold medal for such articles as billiard tables ; but when the merits of a billiard table are taken as a manufactured article, and are considered apart from its use, I think it will be acknowledged that it deserves its award. It was decided that all Government and public exhibits having no trade object, and all exhibits of which the exhibitor was not the producer, and where such producer could not be ascertained, should receive a certificate in place of a medal. One exhibitor, though receiving a first order of merit in several classes, should not receive more than one medal, but should receive a separate certificate for each award. Each exhibitor receiving an award of whatever class will be given a certificate, and each certificate will bear upon it a statement of the award and the exhibit for which it was granted.

I regret that the reports of the juries are on the whole so meagre, and, in many cases, altogether wanting, but it must be remembered that the juries were honorary, that they worked day after day for several months, and that after their adjudications were completed it was almost impossible to keep them together to adopt a descriptive report.

In addition to the thirty-eight juries before mentioned, it was found advisable to appoint several special juries to undertake the inspection of exhibits, which, though classified, were felt by the juries to which they had been assigned to be so distinct from the remainder of their exhibits as to necessitate separate juries. These were printed music, boots, vermouth, spirits, cordials, and the exhibits of lady amateurs ; and juries were appointed whose awards are included with those of the other juries.

In many cases the juries completed and handed in their reports before the appeals had been decided, consequently first-class awards were subsequently given to exhibits not mentioned in the reports, and to prevent injustice to such exhibitors it has been decided to append to the jury report in such cases extracts from the reports of the experts.

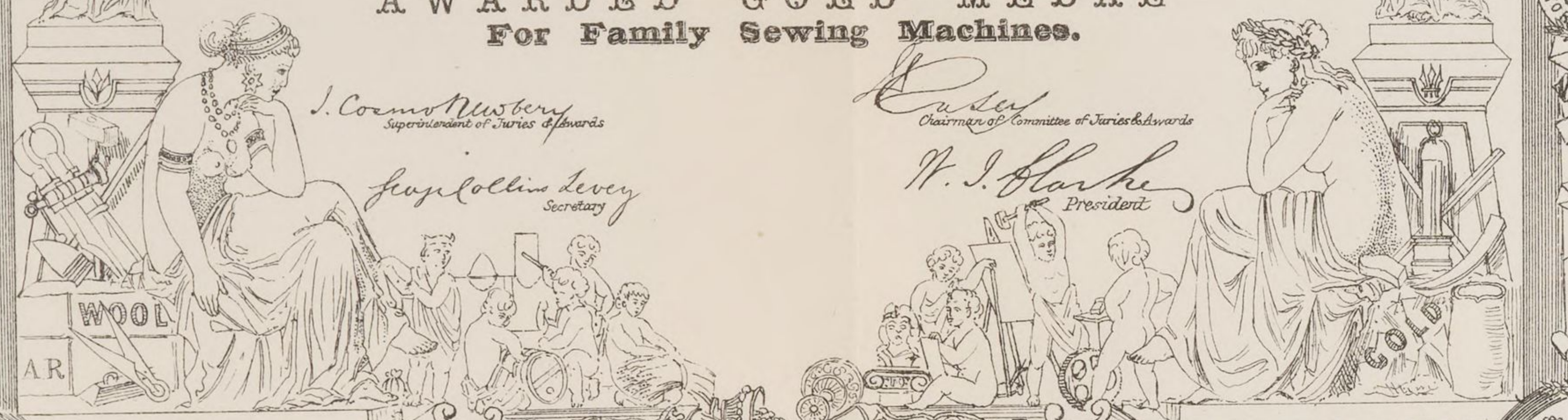
Mr. G. Manley Hopwood, F.C.S., &c., was appointed chemical expert, and at the same time acted as secretary to the Chemical and Pharmaceutical Jury, Section 13 and 22. Mr. Hopwood had charge of the laboratory of the Department of Agriculture, and, through the courtesy of the honourable the Minister of Lands, was permitted to conduct the analyses required by the jury, thus saving the Commissioners



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an outlay which would have been heavy. Mr. Hopwood's notes as chemical expert are published with the jury reports.

The work of the department has been materially facilitated by the labours of an efficient and painstaking staff of jury clerks, who have given every satisfaction by the manner in which they discharged the arduous duties devolving upon them.

Through the courtesy of the press of this city, a valuable and continuous assistance was afforded the department by the facilities given in conveying information to exhibitors, as to the awards made by jurors; by this means our work was materially expedited, and the clerical labour lightened. Before publication each award was first passed by the Committee of Juries and Awards, and subsequently by the Executive.

At an early period of the work the representative of His Imperial Majesty the Emperor of Germany, Dr. Reuleaux, Royal Professor, &c., announced that he had been commissioned by His Imperial Majesty to present to the most meritorious Australasian exhibit a valuable service of plate. The selection of such exhibits as were deemed worthy to compete for this additional honour were placed by him in the hands of the various juries under the following regulations for the awarding of the Emperor of Germany's Prize at the Melbourne International Exhibition, 1880-1:—

1. His Imperial Majesty's prize, consisting of a silver table set of seven pieces, to be awarded to an exhibitor of one of the Australasian colonies as an acknowledgment of the efforts in promoting art and industry shown by the high qualities of the goods manufactured by the exhibitor, and brought to the present Melbourne International Exhibition.

2. In order to secure an impartial judgment, based upon close and learned examination, His Majesty wishes that the adjudication of the said prize should be pronounced by the Royal Commission for the Melbourne International Exhibition, in accordance with a proposal made by the jury of the Melbourne International Exhibition, which proposal has the consent of the chief commissioner for the German Empire, Professor F. Reuleaux, Privy Councillor.

3. The proposal of the jury is to be issued at a general meeting of the chairmen or their representatives of the thirty-six jury sections.

4. Each section of the jury is entitled to present a candidate for the prize in a written report, showing the claims upon which they are based, and witnessed by the members of the section. This report is to be handed to the superintendent of juries and awards.

5. Any jury section not wishing to name any candidate for the prize, will declare this in a special report, which also is to be forwarded to the superintendent of juries and awards.

6. As soon as all the reports of the sections are collected, the superintendent of juries and awards will call a meeting of the chairmen of those sections who have presented candidates, at which meeting the commissioner of the German Empire must be present.

7. This meeting will discuss the different claims of the candidates, and conclude upon the final presentation, which must have the approval of the commissioner for the German Empire as the representative of His Imperial Majesty the Emperor William.

8. The result of the before-mentioned meeting is to be placed in the hands of the President of the Melbourne International Exhibition, in a written report, confirming the presentation. This report to be accompanied by a copy of the minutes of the meeting at which the final decision took place, which are to be signed by the superintendent of juries and awards, the secretary of the meeting, and the commissioner of the German Empire.

9. Immediately after receiving the report, the President will communicate the result of the transactions to the Commission of the Melbourne International Exhibition and to the exhibitor who has been honoured with the award.

10. The formal delivery of the prize is to be carried out by the Commission for the Melbourne International Exhibition, by handing over a diploma to the receiver of the prize, in which diploma the reasons and claims for the award are to be declared. The forwarding of the objects which represent the prize will not take place before the closing of the Melbourne International Exhibition.

The following were those nominated for this award by the respective juries, viz.:—

4. Sands and M'Dougall, Melbourne.—Account Books; Engraving, &c.

9. W. H. Rocke and Co., Melbourne.—Furniture.

11. H. Steiner, Adelaide.—Gold and Silversmiths' Work.

- 13 & 22. J. Bosisto, Melbourne.—Eucalyptus Preparations.

- 13 & 22. Cuming, Smith and Co., Melbourne.—Mineral Acid Manufactures.

15. T. Shelmerdine, Melbourne.—Felt Hats.

16. Albion Woollen Mills, Geelong.—Worsted and Woollen Goods.

16. Mosgiel Factory Co., Dunedin.—Worsted and Woollen Goods.
 20. Cameron Bros. and Co., Melbourne.—Manufactured Tobacco.
 21. Sir Samuel Wilson, Melbourne.—Wool.
 24 & 25. Hugh Lennon, Melbourne.—Agricultural Implements.
 24 & 25. John Buncle, Melbourne.—Agricultural Implements.
 26. Wright and Edwards, Melbourne.—Steam Engines.
 27. Stevenson and Elliot, Melbourne.—Carriages.
 28. Hon. J. Woods, Melbourne.—Woods's Automatic Continuous Brake.
 28. Department of Railways, Victoria.—Locomotives and Railway Carriages.
 30. Jas Miller and Co., Melbourne.—Hemp, Rope, Twines.
 31. Swallow and Ariell, Melbourne.—Flour, Biscuits.
 34. De Castella and Rowan, Melbourne.—Wine.

A meeting was convened of the chairmen of the juries nominating candidates to consult with and advise Professor Reuleaux in making the award. The merits of the various exhibits in this competition were fully explained by these gentlemen, and, after reviewing them, the Professor announced that the prize would be given to Messrs. De Castella and Rowan, as that exhibit in his opinion possessed the highest merit under the conditions named. The Executive have decided to give to each of the candidates for this prize an emblazoned certificate, setting forth the fact that they were selected for this honour by their respective juries. This and the Champion Prize for wool, awarded to the Hon. Sir Samuel Wilson, are the only instances where anything that might be termed special prizes were awarded.

The following schedule shows the relative number of awards and medals, with their respective degrees, allotted to each Court, the total awards being 9671, and the total number of medals 3008, whilst that of exhibits was upwards of 15,000.

	AWARDS.						MEDALS.		
	1	2	3	4	5	H.M.	G.	S.	B.
Austro-Hungary	117	107	75	47	23	6	11	68	36
Belgium	111	75	41	23	13	3	18	48	38
France	406	242	204	155	53	16	95	161	133
Germany	292	283	249	103	17	4	68	146	75
Italy	164	222	171	150	114	10	10	46	104
Japan	18	42	31	12	9	2	1	4	4
Minor Courts	7	16	17	21	5	..	..	1	6
Netherlands	56	38	20	5	..	2	1	22	31
Switzerland	15	9	5	1	1	1	1	5	5
United Kingdom	796	322	211	50	21	15	193	431	163
British India	108	143	152	25	7	13	1	57	25
Cape Colony (S. Africa)	2	2	3	7	3	..	..	..	2
Ceylon	27	26	53	17	6	11	..	20	4
Fiji	14	22	12	6	5	1	..	11	1
Jamaica	1	2	..	..	4	..	..	..	1
Mauritius	19	21	11	..	2	1	..	13	4
N. S. Wales	86	77	87	34	72	30	2	19	35
New Zealand	105	130	55	55	26	21	7	34	49
Queensland	46	46	39	33	10	16	..	14	21
South Australia	36	76	31	55	76	14	2	24	6
Straits Settlements	33	28	18	7	5	6	..	6	24
Tasmania	47	42	25	16	6	11	..	14	19
Victoria	588	432	322	191	229	82	54	265	173
Western Australia	4	10	12	10	11	2	..	3	1
United States	172	73	33	13	15	2	30	89	53
	3270	2486	1877	1036	733	269	494	1501	1013

TOTAL AWARDS .. 9671

In conclusion, I have to express my indebtedness to the gentlemen who, at very great personal sacrifice, undertook the laborious and responsible duties of jurors, which were in every sense honorary. It is mainly owing to the unremitting attention, as well as the ability and impartiality displayed by these gentlemen, that the awards of this Exhibition have given such general satisfaction.

I have the honour to be, Sir,

Your obedient servant,

J. COSMO NEWBERRY,
Superintendent of Juries and Awards.



THE EXHIBITION MEDAL.

REPORTS OF JURIES.

JURY SECTION I.

Class 1.—Oil Paintings.

Class 2.—Various Paintings and Drawings.

Class 4.—Architectural Drawings and Models.

Class 5.—Engravings and Lithographs.

Class 11.—General Application of the Arts of Drawing and Modelling.

JURY.

R. H. Kinnear, Chairman, Great Britain.

L. E. Montefiore, Belgium.

W. Lynch "

H. Kowalski, France.

E. P. Cecchini, Italy.

Dr. Fulton, Austria.

Dr. Fisher, Germany.

Professor M'Coy, Victoria.

R. Shepherd "

W. Collis "

S. B. Bonney "

A. E. Johnson "

L. Terry "

N. Billing "

T. C. Sutton, substitute for H. Kowalski.

EXPERTS APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

C. Schoessler.

| Stephen Thompson.

| G. F. Folingsby.

The jury have not made any report upon the exhibits in Classes 1, 2, and 4. The following is the report on Classes 5 and 11 :—

Sir—Your jurors, in submitting their awards, respectfully desire to offer the following remarks:—

The exhibits generally will indicate the enlarged scope given to the art diffusing processes of lithography and engraving by the successful introduction, almost within the last decade, of machine lithographic printing; also, in the extensive adaptation of photography as an adjunct for which Victoria fairly claims the merit of pioneering the practical use.

Your jurors found some difficulties or defects of arrangement in the cataloguing of the exhibits (reasonably incidental to their varied, complicated, and technical character), and have adopted a classification under seven headings, which they trust may be acceptable.

Of oleographs and chromo-lithographs there is a good display upon the walls of the various courts; but Messrs. Seitz, Hölzel, Reiffenstein, and Jan Leendertz, exhibit well-filled folios, which it is hoped visitors have not neglected. The low price at which some excellent works of this description are now obtainable was noted. Considering the worthy response made by British artists in forwarding so many choice original works to the Exhibition, your jurors were a little surprised that well-known English chromo-lithographers were not prominent exhibitors.

There are good exhibits of some of the best works of English, French, and German art engravers. Your jurors regret that the British collection was so poorly placed, being hung upon one of the staircases, where proper inspection was almost impossible.

All interested in wood engraving, or in drawings and sketches for this old, favourite, and increasingly popular art, will feel under obligation to the *Graphic* proprietors for their exhibits of many of the original sketches for familiar engravings. Our colonial artists have herein been favoured with opportunities by which they will doubtless profit. The few other exhibits in this speciality are mostly colonial; and in awarding their degree of merit your jurors have felt that, as examples of skilful engraving, they were entitled to such place. Our engravers have not the advantage of following, and so measurably sharing in the praise awarded to such highly talented artists as are occupied in drawing for the leading pictorials of the world.

Your jurors desire to award honourable mention to Mr. Smith, of Gertrude-street, Fitzroy, who has exhibited a combined type and lithographic printing machine in operation. This is the first time any such machine has been shown in Melbourne.

The maps were mostly catalogued as educational exhibits, and dealt with as such by the jurors in that section; but as their production occupies so large a place in the arts of lithography and engraving, your jurors felt bound to judge them in regard to their artistic merits. Such adjudication of the maps issued by the Ordnance Department was requested by the British Commission.

Altogether, it seemed incomplete and unsatisfactory, if many of these exhibits, forming as they do most elaborate specimens of art-execution, were judged merely from the school-teaching standpoint. However, from the published awards of the Educational Jury, we are glad to notice that there is much agreement between their own and our estimates of merit.

Of illuminated addresses, Messrs. Hamel and Ferguson have a large exhibit. The other illuminations to which a first award has been given have probably been seen by few; their good, pure style is remarkable.

Photo-lithography is now introduced, and commonly used in each of the Australian colonies for the reproduction of Government maps, &c. Very excellent specimens of a newer process, called "photo-electrotyping," were noticed; but your jurors had no means of determining its general practicability.

For the Jury,

F. M'COY.

JURY SECTION II.

Class 3.—Sculpture and Die Sinking.

Class 25.—Bronzes and Various Art Castings and Repoussé Work.

JURY.

James Smith, Chairman, Victoria.
H. Byron Moore, Great Britain.
H. Kowalski, France.

E. P. Cecchini, Italy.
C. M. Rosenthal, United States.
Dr. Seelhorst, Germany.

T. C. Sutton, substitute for H. Kowalski.

EXPERTS APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

W. Slight. | Stephen Thompson. | R. Curtis.

Sir—I have the honour to submit, as chairman of the Jury No. 2, appointed to examine exhibits in Class 3 and Class 25, the following report:—

In sculpture no work of conspicuous excellence has been sent in for exhibition, a satisfactory explanation of which may probably be sought for in the fact that the great value of a true masterpiece, and the risks of mutilation or complete destruction to which it would be necessarily exposed during a long sea voyage, would combine to deter the owner or executant of such a work from sending it so far as Australia.

The plastic art of the mother-country is represented by the late J. H. Foley, R.A., and by Messrs. Woolner, R.A., Marshall Wood, D. W. Stevenson, the late Charles Summers, and others; that of Belgium by MM. Brunin, Comein, Ludwig, and Wiener; that of France by MM. Aizelin, Barrias, Chevalier, Gantherin, Itasse, Louis Rochet, Sanzel, and De Vasselot, and by Madame L. Bertaux; that of Germany by MM. Begas, Hartzer, and Schulz; and that of Italy by about seventy sculptors, of whom the more prominent are the following:—SS. Dupre, Monteverde, Tabacchi, Romanelli, Pagani, and Rossetti. With respect to the sculpture of an inferior character, of which the exhibits are somewhat numerous, it may be asserted with regret that much of it bears the same relation to the nobler achievements of this branch of art in Europe, as the genre pictures of the “little masters” do to the best works of Rembrandt, Rubens, or Vandyke. A feeble prettiness, an effeminate softness, and an attempt to express, in marble, forms, substances, surfaces, incidents, and emotions, which are either beneath the dignity, or do not fall back within the legitimate scope and object of the sculptor’s art, characterise a good many of the figures and groups exhibited, some of which might be appropriately classified as art-manufactures, instead of claiming to be adjudicated upon as artistic creations; and these defects have been rendered all the more obvious by reason of the statuary itself having been brought into juxtaposition with two such splendid examples of antique sculpture as the cast of the Hermes of Praxiteles and the Barberini Faun exhibited by the German Government.

In bronzes the Latin nations maintain their accustomed pré-eminence; although it must be acknowledged that Germany is making good her title to compete with them successfully in the production of the beautiful objects which come under this general designation. The most impressive work of the kind—the only one on a large scale—is the “Cain” of Signor Dupre, a *replica* of the bronze statue in the Palazzo Pitti, Florence; and, while a first prize has been awarded to the artist who modelled it, great praise is due to the founder, Signor Tognozzi-Moreni, for the admirable manner in which he has executed his share of the work. The house of Barbedienne, in Paris, is still *facile princeps* in the fabrication of bronzes intended for household decoration; and whether as regards original designs, or reduced copies from the antique, its efforts to popularise this branch of art entitle it to be regarded as a benefactor to every country in which its productions find a market. Next in point of merit to these are the exhibits of M. Boulenger, of Gay, Lamaille and Co.,

of the Foundry Company of the Val d'Osne, and of MM. Blot and Drouard, Ranvier and Lohse. These include art-castings in zinc and other metals, issued at such prices as to bring them within the reach of all classes of society.

Germany is also distinguishing herself in each of these departments of industrial art; and special attention may be directed to the excellent bronzes exhibited by F. von Miller, of Munich, and by A. Lange and Sons, of Glashütte, Saxony; and to the choice and varied collection from the factory of Count Stolberg, at Ilsenburg, of reproductions in metal of articles of antique, mediæval, and renaissance design and workmanship, selected from the treasures preserved in public museums and private collections on the continent of Europe. The bronze and other exhibits of Messrs. Czarnikow and Busch, of Berlin; of S. Elster, of the same city; of R. Bichweiler, of Hamburg; of E. G. Zimmermann, of Hanau; and of the late Einsiedel factory, at Lauchhammer, attest alike the sedulous cultivation of the arts of design in Germany, and the technical skill and aptitude of the artisans engaged in the respective works.

The Italian exhibits of this description are not so numerous as might have been expected from a country which gave the world such famous artists in bronze as Bonnano, of Pisa; Uberto and Pietro, of Piacenza; Ghiberti, of Florence; Giovanni, of Bologna; Verrocchio, Cellini, and Sansovino. But the works of Tognozzi-Moreni, the Brothers de Poli, Tis, and Cavaliere Nelli, indicate that the methods of the renaissance still survive in Italy, and that her artists and artificers have not lost the technical skill which was bequeathed to them by their forefathers.

For delicacy and dexterity of workmanship, combined with high finish and a scrupulous attention to the minutiae of detail, the Japanese bronzes and artistic metal work generally compel a warm tribute of admiration; and, while exception may be taken to the grotesqueness of some of the designs, and to the intense realism of much of the ornamentation, it would be ungenerous not to extol the extreme skill and the thorough conscientiousness displayed in the workmanship of these fine exhibits.

The Exhibition contains some admirable specimens of what has been aptly called "the master art-craft of the world"—namely, enamelling. Naturally enough, India occupies a foremost place in this respect; and the damascene work executed by Kutub Din and Shaif Din, of Sialkot, in the Punjab, deserves particular mention, as illustrative of the skill and artistic feeling with which the *kufi* process is pursued by the artificers of the East. There is much good *bidri*-ware also exhibited by other than the fabricators of it. From the venerable East to the young West is a great geographical stride; but it is due to the American Watch Company in the United States to report that the enamellers and engravers in their service are accomplished masters of their craft, and that both in elegance of design and harmonious combination and arrangement of colours the watch-cases exhibited by this Company rival the best productions of the kind in the Exhibition; to which, it must be added, Germany has likewise contributed numerous very choice examples; notably those of the joint exhibit of Berlin firms, comprising S. Elster, E. Laue, R. Lehmann, and R. Otto. Among these are various tazze and other objects, which are simply exquisite, and will stand the test of the most fastidious criticism. The painted enamels displayed by M. Soyer, in the French Court, are conspicuous for brilliancy of surface and translucency of colour, and for the faithful reproduction of various well-known pictures, by almost imperishable pigments, on an equally durable basis. The effect produced is very striking, because the paintings resemble stained glass in the apparent transparency of the tints, while the glaze is akin to the finest porcelain. The other French enamels deserving of special mention are those of M. A. Boulenger, of Paris. It is gratifying to be able to state that a Victorian enameller, Mr. J. R. Rowland, has exhibited some works of this kind, which are most creditable to his taste, skill, and technical knowledge, and which justify the expectation that this branch of art-industry will domicile itself in Melbourne.

Italy and India have both distinguished themselves by the carvings in wood, and by the specimens of ivory inlaying in teak and ebony, which they have contributed to the Exhibition. The articles shown by the Chevalier Panciera-Besarel, G. B. de Lotto, M. A. Guggenheim, and the Orfanotrofio, of Venice, by G. B. Gatti, of Rome, and J. Cattaneo, of Milan, demand the warmest commendation. Of the work technically known in Italy as *intarziatura* there are some very fine specimens by the Chevalier Gatti, including a table, coffer, crucifix, and a frame enriched with ivory medallions of remarkable beauty. Equally good of their kind are the exhibits of F. Lund, of Bremen. A table of teak, inlaid with ivory, by Atta Bassi Golam Hosein, of the Punjaub, is also a production which may be singled out for special eulogy.

Italy worthily maintains her old pre-eminence in regard to the fabrication of mosaics and the cutting of cameos in stone, shell, and lava. The Compagnia Venezia-Murano, the Società Musiva Veneziana, the Chevalier Bedendo, and Signor Testolini, of Venice, and Signor Tarantoni, of Rome, exhibit some excellent specimens of the Byzantine method of composing or copying pictures for the purposes of mural decoration, or of imitating natural objects on a smaller scale for personal adornment, by means of glass smalts, possessing innumerable gradations of colour, superimposed upon, and firmly attached to, a basis no less durable than the skillfully adjusted overlay. Of Roman and Florentine mosaics, composed either of exceedingly minute *tesserae* in low relief, or of an inlay of pieces of stone or shell upon a smooth marble surface, the examples are numerous and beautiful; the more artistic of the exhibits being those of SS. Bedendo, Falcini, Ciapponi, Boncinelli, and Mariotti and Fantoni. The cameos of G. Bissenger, of Paris; of R. Otto, of Berlin; and of SS. Francati and Santamaria, Olivieri, Siotto, and Ciapponi, in the Italian Court, may be grouped together as reaching a high standard of excellence.

In conclusion, your jury desires to express its opinion that the exhibits upon which it has had the honour to adjudicate, and to the examination of which it has devoted no little time and attention, cannot fail to have educated the taste and enlarged the ideas, while contributing to the enjoyment of the tens of thousands of persons who have visited the Exhibition; and that a desire will have been created in numberless minds for the acquisition of such household adornments, the gratification of which will necessarily stimulate commerce, and promote a more extended and mutually advantageous interchange of commodities between the Australian colonies and the various countries represented in the International Exhibition.

I have the honour to be, Sir,

Your most obedient servant,

JAMES SMITH, *Chairman.*

The experts appointed to consider appeals recommended additional awards, in which the jury concurred.

The expert upon Die-sinking, Engraving, &c. (Mr. W. Slight), reports:—

“I have the honour to make the following report on specimens of die-sinking exhibited by Messrs. Stokes and Martin:—These dies are cut for stamping metal, for which the highest skill is required. In these specimens such skill is fully exhibited, the work being sharp, clean, and well defined.

“I have the honour to submit the following as the result of my examination in engraving and embellishment of watches:—American Watch Co., Waltham: From the most elaborate designs to the most simple, the same class of work is maintained throughout, the engraving being of the highest order. Swiss Collective Exhibit: The embellishment of these watches is very good commercial engraving, &c., but cannot be considered first-class from the standpoint of high artistic finish.”

JURY SECTION III.

Class 6.—Education of Children, Primary Instruction, Instruction of Adults.

Class 7.—Organisation and Appliances for Secondary Instruction.

Class 8.—Organisation, Methods, and Appliances for Superior Instruction.

Class 16.—Maps and Geographical and Cosmographical Apparatus.

JURY.

Professor Pearson, M.A., M.P., Chairman,
Great Britain.
C. de Montmahou, France.
P. Lamal, Belgium.

Rowland Rees, Great Britain.
H. H. Hayter, Victoria.
Dr. Morrison, LL.D., M.A., Victoria.

EXPERTS APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

Professor M. H. Irving, M.A.

Professor H. M. Andrew, M.A.

J. H. Thompson, M.A.

Sir—The jury for educational exhibits desire to call attention, in the first instance, to the great difficulties under which they have laboured in performing the task allotted to them. With rare exceptions, the educational exhibits have not been catalogued, scheduled, or arranged in any proper order. Thus, for instance, the ordnance maps exhibited by the British Government are entered in the catalogue under the heading of Fine Arts, are placed in one of the picture galleries, and were not scheduled until the jury had published their first award. Other excellent maps and works have been entered with a little more propriety under the head of Printing. In several cases exhibits of the same class from the same country were in two, or even in three, parts of the building, and the work of comparison has thus been rendered unduly difficult. On the other hand, it has seemed as if many exhibitors thought themselves entitled to claim an educational award for whatever was discarded by other juries. Models of fusible plugs and engine governors, sham jewellery, lamp-shades, prospectuses of mutual improvement societies, a perambulator, specimens of bar-iron, and half-a-dozen slabs of fossiliferous stone, have been among the incongruous objects which the jury were requested to classify. In many instances a single schoolboy's map or a single volume on elementary education, either of which might have figured with propriety as part of a collective exhibit, have been sent in for a separate award. The jury have not regarded it as any part of their functions to examine and report upon the merits of any particular book. To deal individually with the many hundred volumes sent in would involve the labour of months, or even years. The task of classifying the publications of large firms according to their aggregate value has been as much as they could attempt, and has been sufficiently severe. While they have been forced to exclude incongruous matter, the jury regret very much that the legitimate competition for international awards has not been wider. Germany, Switzerland, Sweden, Canada, and the United States are among the countries from which much that was instructive might have been expected, and that have contributed no collective exhibits of their national systems. Even in the Australasian group of colonies, South Australia, Western Australia, New Zealand, and Tasmania cannot be said to have competed. The same observation applies to publishing firms. The great English houses of Austin, Longman, Macmillan, Parker, and Rivington, to mention no others, were unrepresented. Nelson, whose books have been deservedly selected for our State-schools, does not figure in the catalogue. The eminent German firms of Perthes, Grote, Duncker and Humboldt, and Trubner have sent nothing to the Exhibition. So, again, the competition in maps has been strangely limited. The excellent ordnance maps of the Austrian Government have not been sent, though a large geological map has been forwarded

from the State Department at Vienna. Dufour's map of Switzerland and Munch's of Norway are only two among many maps of proved excellence which have not come before the jury. They regret this, especially in the former case, as the map was to hand, though not for exhibition in the Swiss Court.

Among the national exhibits submitted, the first place is unquestionably held by that of the French Government, although for reasons of convenience the jury have placed it in alphabetical order in the first class. The French Government have sent plans of their schools, specimens of the work done by pupils in primary schools and of that done by students in the training-schools, reports of the educational conferences, specimens of the subsidised educational journals, and large collections of the scientific books subscribed for by the French Government, and of the models used and of the work done in industrial schools. No other country, except Victoria, has submitted to so severe a test ; no other country at the Exhibition can compare with France for the work shown. The exhibit of the city of Paris, which naturally resembles that of the French Government in its main features, though it takes a less extended range, may conveniently be classed along with it. Belgium exhibits a very extensive series of reports, which testify to a very gratifying educational improvement, especially of late years, admirable maps, and a good selection of school furniture and appliances. The Victorian exhibit is, as might be expected, remarkably full. Its weakest feature is the construction of the school buildings and the character of the school appliances. Rooms without ventilation, long benches without backs, and of course not capable of adjustment to the pupil's height, tottering blackboards, and indifferent maps, are matters that call for reform ; but fortunately, also, that admit of speedy reform. On the other hand, the instruction given, which was severely tested by two *viva voce* examinations, appeared very meritorious for so young a country ; and the exhibits of school work had the stamp of genuineness and common sense.

Among the collective exhibits that have been placed in the second class, that of Japan claims the first place from its great completeness ; and the progress made in so short a time, by a country that had no national system only a few years ago, is of a kind to inspire the most sanguine hopes. Both here, however, and in the case of the London School Board, the jury were compelled to consider the want of originality a serious blemish. In the case of Japan, the systems and the school appliances seemed to be alike copied from foreign models. In the case of the London School Board, not only was this the case, but it was apparent throughout, in school furniture, maps, and diagrams, that the best models had not always been followed. In the case of Japan, the pupils' work exhibited, though good, was not of any peculiar excellence ; and the London School Board did not exhibit any work at all. The exhibits from New South Wales consisted of plans of schools, of specimens of pupils' work, and of school furniture. While there is a general resemblance between the systems of all the Australian colonies, that of New South Wales does not yet seem to be quite as fully developed as that of Victoria ; and the specimens of school work shown (excellent of their kind) gave the impression that the industrial training in the schools was artificial and exotic in its character. In the case of Queensland, the school appliances were particularly good, and the jury may notice with special praise a ventilating window of a principle long known in England, but which has not been brought into common use in these colonies.

In classifying professional and special schools, the jury desire to call attention to the very complete manner in which this branch of education has been represented in the French Court. In the two instances of the school of Limoges for painting on china, and of the school of Besançon for clock-making, the jury have had the incidental advantage of seeing the result of these schools in the industries of their respective countries. In every instance the French schools have exhibited models or photographs, or specimens of the work done in them ; while the schools of other

countries have, as a rule, only exhibited the reports or the appliances of their school work. The fourteen places out of twenty-two which France holds on the class list have, therefore, been won at the cost of a severer test than any other country has submitted to. The jury regret very much that the competition in this department has not been greater; and in particular that no specimens of work done, except in one instance by a few photographs, were exhibited by the five technical schools that have competed from various parts of Germany.

The maps exhibited by different Governments occupy special ground. A Government can produce without regard to expense, and, as a rule, only attempts to map its own country, of which it has exceptional knowledge. The English ordnance maps, which preserve the most various local names, and exhibit even the sites of ancient turmoils, are instances of excellent work of one kind; and the French and Belgian military maps, which show the differences of configuration and level on a very minute scale, deserve special mention in another way. Among the maps of private exhibitors, the jury may mention with special praise those of Artaria for fulness and accuracy, those of Hachette for clearness of design and accuracy, and those of Keith Johnston for general excellence. The large map of Africa, exhibited by the King of Belgium, ranks by itself as a successful attempt by an amateur to produce an encyclopædic survey of all that is known about African geography.

Before quitting the subject of maps, the jury think it will not be out of place to express a hope that one result of the Melbourne Exhibition will be to popularise a knowledge of the commoner facts of Australian geography in Europe. At a time when good official maps of most parts of the Australian colonies are in existence, it is disheartening to find that some of the largest European publishers exhibit maps that seem to be based on productions twenty, or even forty, years old. It seems incredible that anyone should be found to represent the Middle Island of New Zealand as still peopled only by Maories; to omit Ballarat and Sandhurst from a map of Victoria in which Belfast and Alberton figure; to substitute Perth for Launceston in Tasmania; and to couple Wellington with Adelaide as the chief towns of South Australia. Yet these blunders, and many others, occur in the maps of a publisher whom the jury have found it impossible to classify; and errors of this kind, though less serious, have affected their estimate in more instances than one.

In classifying school appliances, the jury have found it comparatively easy to award the first places. Such exhibits as the collections of Ravaisson and Delagrave, Schröder's geometrical models, and Ward's palæontological casts, speak for themselves. In the case of Sterling's school seats and desks, and the kinder-garten exhibits of Meyer, it may seem as if the first class was awarded for small exhibits; but each was distinctly best of its kind in principle and workmanship. On the other hand, in the case of Hammer, whose exhibits are of unequal value, the jury were governed in their award by the merit of the best work exhibited; and recognised the fact that a private firm is bound to supply what its customers ask for, and not merely what is on the best model.

With respect to school books, the jury desire to repeat that they have only attempted to classify according to the educational value of collective exhibits. They have left typographical excellence to the jury for printing; and it may accordingly happen that works which they have put in the third class for their intrinsic value will deservedly receive a first class for beauty of paper and clearness of type. Provided the nature of the award is clearly specified in each instance, the jury see no reason to object to this in the case of books; but even here, and after every precaution, the system of classification by two juries is liable to abuse, and the jury beg to express their hope that in no case will maps reported on by themselves be allowed to receive an award as pictures or books.

At the request of the jury for fine arts, the jury for educational exhibits have consented to examine the work of the various schools of design. They have had no hesitation in placing the Mechanics' Institute of Sydney in the first class by itself for variety and excellence of exhibits. At the same time, they think it right to note that the students who compete from Victorian schools are generally, so far as they can ascertain, younger than those of Sydney; and while this in no way detracts from the excellence of the Sydney results, it may serve to explain why the work done in Victoria is generally inferior. Unfortunately, the Victorian schools labour under another and more serious disadvantage in the want of good models and designs to copy from. The jury venture to express a hope that the Department of Education will see its way to supply the schools of design with good photographs of the best antique and modern models in sculpture, architecture, and painting. So long as the pupil is set to copy engravings in weekly papers, or coarse and inaccurate lithographs, so long will it be useless to look for real and solid improvement. The German exhibits of school appliances are especially rich in the direction of industrial designs, the French in the department of art; and from what the French Government has given, and from what it may be possible to buy, it ought to be possible to form collections that should leave nothing to be desired.

In conclusion, the jury beg to call the attention of the Commissioners to an exhibit of "Victorian Year-books" from the Statistical Department. The jury have deemed it better not to classify these, as, although the department exhibits them, the credit of producing them is entirely due to Mr. Hayter, who was one of the jury. Under other circumstances, the jury would have had no hesitation in awarding them a first class for originality of conception and general excellence of execution. And they desire to point out that it has been the custom in other exhibitions for the Commissioners to make a special award when the jury was precluded in this way from placing an exhibit in the class it would naturally take.

I have the honour to be, Sir,

Your most obedient servant,

CHARLES H. PEARSON, *Chairman.*

JURY SECTION IV.

Class 9.—Printing, Books.

Class 10.—Stationery, Bookbinding, Painting and Drawing Materials.

JURY.

John Ferres, Chairman, Great Britain
W. Clarson "
C. de Montmahou, France.
D. Manson, United States.

O. Levey, Vice-Chairman, Victoria.
S. Mullen "
J. S. Stillwell "
J. W. Stock "

Andrew Sherar, Victoria.

EXPERTS APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

James B. Wilson

Charles N. Beere

J. Noone.

Sir—The jury appointed to adjudicate upon the manufactures comprised in the above classes beg to submit the following report upon the various exhibits examined in carrying out the work devolving upon them :—

There have been forty-six meetings, attended upon nearly every occasion by all the jury, and in some instances the whole day has been devoted to the work.

In the examination the jury became convinced that there were very many exhibits of special merit coming within their cognisance to which justice could not be done under a system of awards that was necessarily limited to the terms 1st, 2nd, 3rd, 4th, 5th, and honourable mention ; they therefore resolved, with the concurrence of the executive head of the Exhibition, to submit a detailed report with their awards, which should in some measure overcome the difficulty that presented itself.

In order to a systematic arrangement of their labours, the jury classified the exhibits under the following heads :—

A.—Printing Paper.

B.—Paper, other than Printing.

1. Hand-made papers.
2. Writing papers generally.
3. Fancy stationery papers and envelopes.
4. Wrapping papers and bags.
5. Miscellaneous, including blotting, tissue, copying, tracing, waterproof, and cigarette papers, tin-foil, and vegetable parchment.
6. Bookbinding materials, millboards, marbled papers, fancy papers, box-making papers.
7. Card, enamelled papers, surface papers, bristol boards, drawing and plate papers.
8. Telegraph tapes.
9. Filtering papers.

C.—Paper-making Materials.

D.—Printing, Publications, Stationery, &c.

1. Stationery requisites.
Account books.
2. Bookbinding.
3. Publications.
4. Printing.
5. Artists' and drawing materials.
6. Printing type, electrotypes, stereotypes, woodbury type, litho. stones.
7. Lithographic proofs, black or coloured ; proofs of engravings, photo-lithographic proofs, photo-typographic proofs, embossing.
8. Writing ink, wax, pens, pencils, penholders, office cement, &c.

E.—Printing Ink.

The exhibits coming under the above-mentioned heads were—160 in papers, 38 printing and writing inks, and 440 in the other classes ; making a total of 638.

A.—PRINTING PAPER.

The jury were agreeably surprised at the high-class papers exhibited from Europe and America, as well as from the local manufacturer ; and their appreciation of them is evinced by the awards given.

The printing papers worthy of special merit were those of—

Grosvenor, Chater and Co., London, who exhibited paper of various descriptions, embracing light and heavy news, white and coloured printing, which showed evenness of texture and careful manufacture.

G. Olmer, Paris, exhibited a superior class of papers for news and book-work at moderate prices.

P. Adams, Buckland, Conn., exhibited one sample of toned book-paper, which has been used by the Commissioner to print the United States official catalogue. This paper is excellent in every respect.

The Albion Paper Company, Massachusetts, also displayed good samples of printing papers, which were tough, of good stock, free from clay, and moderate in price.

J. Pfeffer and Co., Ghent, exhibited some very cheap paper, suitable for news and poster work, of good colour, and free from blemishes.

Fialkowski Bros., and Twerdy, Bielitz and Biala, showed white and coloured printings; the latter were of superior quality, both in colour and material, and very low in price.

Ramsden and Co., Melbourne, also had well-made papers for news and book work; also coloured printings, which were pure in colour, and free from clay.

The Joint-Stock Company, Schlöglmuhl, were exhibitors of printing papers, both white and coloured; these latter were superior both in colour and quality, and moderate in price.

There were five exhibitors of web-printing paper—viz., Peebles and Co. and Spicer Bros. in the British Court, Kübler and Niethammer in the German Court, M. Kink and Co. and the Joint-Stock Co. (Schlöglmuhl) in the Austrian Court, and Williams and Murray in the New South Wales Court. In all these papers there was evidence of good reeling, and in those of the Austrian Court the cores had been extracted without interference with the reel—a great advantage when shipping. To show the advance made in this important industry, in the Exhibition of 1873 there was not a single exhibit of printing paper in the reel; and whilst in the report of the Exhibition of 1851 it is remarked, with an air of incredibility, that a roll of paper for hangings was exhibited supposed to contain 2400 yards, at the Melbourne Exhibition there is one roll of printing paper containing 9722 yards, or over $5\frac{1}{2}$ miles in length.

C.—Before passing on to the balance of the papers, we would remark that the jury recommend J. Pfeffer and Co., of Ghent, for a first award for their excellent and instructive exhibit of sorted rags for paper-making. This exhibit, ranging from the coarsest gunnybags to the best linen rags, all carefully cut and graded, showed plainly how this firm, by careful and systematic attention to the selection of the material, supplied an important trade want.

B.—PAPER, OTHER THAN PRINTING.

T. H. Saunders and Co., London, had hand and machine-made writings and blottings, in all of which they stood high. The products of this firm were noticed for their strength, colour, and finish, and well commend themselves both to experts and the public as really first-class goods.

Spicer Bros., London, exhibited hand and machine-made writings, envelopes, and blotting paper, all of excellent quality; also surface and plate paper. Their exhibits were characterised by evenness of texture and uniformity of colour, and were good samples of their well-known manufactures.

Blanchet Frères and Kleber, Rives, exhibited hand and machine-made writings and drawing papers. These were of a high class, and show that they still maintain the character of the papers which secured for them recognition at the Exhibition in 1851, and that the countrymen of Montgolfier, Didot, and Robert, keep in the van in paper-making.

The "Société Anonyme du Marais," Paris, exhibited a large sample-book of specimens of the papers manufactured by them. They rank in hand-made drawing, and plate papers. As the specimen-book of this company, handsomely gilt and bound in morocco, has been presented to the Technological Museum,

Victoria will possess samples of paper manufacture that may fairly claim to be unsurpassed, and which will form not the least valuable souvenir possessed by the colony of the Melbourne International Exhibition.

A. Pirie and Sons, Aberdeen, exhibited a grand collection of machine-made writings, as well as fancy stationery papers, envelopes, blottings, and drawing papers. Their exhibit of machine-made imitation hand-made papers closely approach all the excellencies to be found in hand-made papers. They displayed great taste in their repp papers, both in design and tint, as well as in the excellence of material and finish.

Monckton and Co., Basted, Kent, exhibited a good collection of machine-made writings and plate paper, of fine quality.

G. F. Busbridge and Co., East Malling Mills, exhibited their specialty, "vat papers," which, though not equalling hand-made papers, yet possess in a high degree their characteristics.

An exhibit of thin machine-made writings of a foreign character was made by Messrs. L. Avril and Co., London; these were well-made and tough. They also exhibited copying, tissue, and cigarette papers, all of which were of superior quality.

Hudson and Kearns, London, showed legal papers, of good quality and finish, which were good imitations of hand-made papers.

F. Schöller and Bausch, Domitz-on-Elbe, exhibited machine-made writings, card-board, and drawing papers. Their Government document papers, with the Imperial arms water-mark, were very good.

F. H. Schöller, Düren, also exhibited in the same classes, and ranked equally high; this firm and F. Schöller and Bausch are branches of the same proprietary, but in different towns, and their manufactures have an identity of character.

Some writings and excellent tissue papers, well made and tough, were exhibited by H. A. Schöller and Sons, Düren.

A large variety of excellent writings are shown by Hösch and Schleicher, Düren.

A bank post paper, of superior quality, was exhibited by Steinbach and Co., Malmedy. It was thin, very tough, and well glazed, and was suited for foreign correspondence.

The Holyoke Paper Company, Massachusetts, exhibited their "American linen papers," in note and letter sizes. These papers were loft-dried and animal sized; they are of prime quality, light weight, tough, and pure in colour.

Crane Brothers, Westfield, Mass., also stood high with machine-made writing papers.

C. Goodall and Sons, London, kept up their well-earned reputation by their exhibit of fancy stationery papers and envelopes; as also of drawing and Bristol boards, in both of which the goods shown merit the highest commendation. They also showed playing-cards and menu cards, which displayed artistic taste of a high order, and great care and delicacy in printing. The colours were good and bright; the outlines sharp and well finished. The designs, both of papers and packages, deserved to rank as fine art; their Japanese, Pinfold, and other fancy note papers, were commendable for beauty and excellence.

In fancy notepapers, &c., Austria made an excellent show. The exhibit of Theyer and Hardtmuth, Vienna, consisted of notepaper and envelopes in unique designs and colours, some of which were evidently intended for the Eastern trade; all were turned out in first-class style. Some of the hand-painted designs were gems in their way. Their designs in embossed papers, both of monograms and of crests, plain and in colours, were exceedingly well executed.

F. Plentl's Sons, Graz, exhibited a great variety of pressed fancy notepaper and cards to match. Those worthy of special mention were the Edelweiss, Alpine flora, Garden flowers, Carrier pigeon, Swallow, Cupid's envoy, Knight emblem, Rhine flora, Alps, and Little Puss papers, most of which were hand-painted with con-

siderable taste. They were packed in neat boxes containing five assorted colours, or with the colours in distinct boxes; the "grey foncé" and "dull white ribbed" were very chaste. Both these firms put up their papers in boxes of fanciful designs, some of which were highly ornamental.

PLAIN AND FANCY CARD-BOARD BOXES.—There were three exhibits in this class. G. Wenderoth, of Cassel, and Frame and Co., Melbourne, both produced excellent articles, the ornamentation being by choice specimens of chromo-lithography, plain and embossed, and displayed great taste in the arrangement; the finish of the goods of both these houses was first-class, and the lids fitted perfectly. Randolph and English, Richmond, Virginia, exhibited a large collection of plain card-board boxes, in the shape of pill and puff boxes, and a useful novelty in the way of "grease-proof" boxes, suited for druggists and others for putting up ointment, &c.; their nests and boxes were well finished, and the lids fitted accurately.

Schmied's Sons, Great Ullersdorf, exhibited a good assortment of various descriptions of wrapping papers—light, tough, smooth, good in colour and low in price.

Bird and Hollingworth, Massachusetts, showed some excellent samples of wrapping papers from Manilla hemp and other stock; their specialties were an "anti-rust" paper for packing cutlery and other polished steel goods, and cartridge packing paper of good quality.

Ramsden and Co., Melbourne, exhibited first quality wrapping papers, which were exceptionally free from clay. These were made from good stock, and were of very fine colour.

Davis and Royle, London, A. Jack and Co., and A. W. Schuhkrafft and Co., Melbourne, exhibited paper-bags for grocers and confectioners. These goods were commendable for make and quality; the English exhibit was low in price.

Petersen, Emil, Berlin, displayed a very choice collection of bouquet-holders, lace papers, &c.; also a number of finely executed models of animals, &c., in paper, embossed and coloured. The large paper-lace bouquet-holders of this firm were unequalled in the building for size and beauty.

Caillault and Levasseur, Paris, exhibited confectioners' fancy bags, cosaque papers, and lace papers for bouquets, &c. The collection of this firm contained a number of good designs in chromo-litho. work, tastefully executed.

Ellissen, Röder and Co., Theresienthal, exhibited a fine assortment of tissue papers of every gradation of tint, exceedingly even in colour, and the paper well made; they also exhibited writing-paper.

H. Erhardt and Co., London, showed tin-foil, tin-foil paper, and parchment paper. These materials are now very much used by manufacturers, and the samples from this firm showed the extent to which this industry has attained; the tin-foil especially was rolled out to the attenuation of the thinnest tissue-paper. An effective plan for reducing the cost of manufacture of tin-foil is employed by them, by using lead for one side of the sheet; the foil is made equally as thin, whilst only requiring half the quantity of tin.

Some samples of book-binders' cloths and imitation leathers, also box-making papers and cloth, were exhibited by E. Villeneuve in the French Court, all of which were first-class specimens.

Germany was well represented in book-binding and box-making materials by an exhibit of A. Dessauer, Cassel, who showed four volumes of samples of marbling, suitable for these industries. This exhibit was highly interesting, and showed an extent of artistic taste in arranging the designs, as well as careful manipulation, together producing material which has been rarely equalled. These volumes should, if possible, be secured for the Technological Museum, as they would prove of great interest in an educational point of view.

In the United States Court, Case Brothers, Connecticut, and W. O. Davey and

Sons, Jersey City, exhibited tar-boards and mill-boards, which were first-class products and well suited for the purposes intended.

The Scott Paper Company, Philadelphia, exhibited with their other manufactures a water-proof paper, highly useful for many purposes, such as wrapping, wall-papering, and case-lining.

Grosvenor, Chater and Co., London, were exhibitors of chart and plate papers of first-class quality; they also had a creditable display of hand-made and machine-made writings and blotting-paper.

Guerimand et Cie., Vairon, exhibited an assortment of cheap drawing paper, suitable for chalk and pencil sketching in elementary classes, where a cheap yet suitable material is desirable in order to encourage free-hand work. This paper is well suited for the purpose, and is largely used in the schools in France.

G. Olmer, Paris, exhibited a good assortment of drawing and plate papers, of superior quality.

Hochstein and Weinberg, Berlin, showed enamelled papers and cards of various descriptions, all displaying high finish, and perfectly adapted to trade requirements.

Eichmann and Co., Arnau, exhibited boards, drawing-papers, and surface-papers, which were first-class productions.

There were two collections of telegraph paper tapes, one of the "Joint-Stock Company," Bautzen, and the other of J. Pfeffer and Co., Ghent. These exhibits were put to a practical test, and the jury have awarded the first order to the "Joint-Stock Company," for their blue paper, which was first-class in every respect; their white was also very good and firm. Of the tapes of J. Pfeffer and Company, the blue and green were good, well made, and fine textured.

MISCELLANEOUS COLLECTION OF EXHIBITS OF THE JAPANESE GOVERNMENT.—This display was unique, and well worthy of high commendation. If toughness is the *sine qua non* in writing-papers, the Japanese should bear the palm, for their papers possessed this feature to a much greater extent than any other paper in the Exhibition. They also exhibited a variety of manufactures from paper, such as d'oyleys, pocket handkerchiefs, table napkins, table cloths, serviette, and other papers; some of these were neatly ornamented by hand-painting in water colours; others were printed upon from wood blocks in colours, in quaint designs. They also exhibited a fine description of leather-paper suitable for book-binding, pocket-books, &c., and which was a close imitation of leather, while being actually stronger than that material. This paper showed the graining of leather on the outer side, and yet was perfectly smooth upon the inner, thus securing the retention of the graining after being pressed; it did not crease upon being folded; and if it can be produced at anything below the price of leather, should supersede it in ordinary book-binding and other similar manufactures.

The Fusiyama Company, Japan, represented by its manager, Mr. T. A. Singleton, also exhibited a large collection of paper of various qualities, some of which were highly interesting as showing a distinct branch of manufacture.

Anton Schmidt, Great Ullersdorf, exhibited an assortment of filtering paper of several grades; the best sample was well made, filters rapidly, and was generally good.

D.—PRINTING, PUBLICATIONS, STATIONERY, &c.

Under the head of Stationery Requisites have been included various miscellaneous office furnishings and stationers' hardware.

W. and T. Avery, Birmingham, exhibited letter balances of excellent design and pattern, suitable for office or private use; the higher grades displayed elegance of form and beauty of chasing, combined with great accuracy; these goods are first-class.

S. A. Daniel, Birmingham, showed a large assortment of copying presses, of various sizes, also lever embossing stamps. They were all high in class and low in price; the parts fitted accurately and were well finished.

J. S. Downing, Birmingham, exhibited an assortment of cabinet goods and stationer's hardware, consisting of stationery cases, inkstands, letter balances, one of which, his ready patent letter balance, was a useful article, doing away with the trouble in connection with weights; also safety ink bottles, combined memo. calendar and pen rack, letter clips of neat designs, and date cases; a very useful article exhibited by this house was a combined stationery case, inkstand, and book rack, as was also their revolving shutter stationery case.

Fairbanks and Co., New York, exhibited postal letter balances, with both double and single beam, and possessing that beauty and accuracy of finish for which this description of goods from the United States is justly famed.

A. Dubourguet, Paris, exhibited an extensive assortment of inkstands and letter balances of tasty designs, both in ordinary plated ware and Japanese and Egyptian bronze. Their fountain inks were pretty articles for the library or office table; a Louis XV. inkstand, with globe in centre, and another with a bronze gong in centre, were both useful and ornamental. They exhibited also walking canes combining ink and pen receptacles.

Rubber stamps were exhibited by W. T. Clark, Melbourne, embracing a great variety, from the small crest or monogram to stamps for printing directly on tin cans; these latter obviating the trouble and expense attending the use of labels. He also exhibited a useful novelty in the shape of a self-inking pocket rubber stamp, which should prove of general demand. All these goods were well finished.

An excellent assortment of first-class work in account books, at extremely low prices, was exhibited by König and Ebhardt, Hanover; these books were wire-sewn, and in other respects showed good workmanship, and the ruling was of a superior character. They exhibited novelties in books, bound in moleskin and pigskin; also interleaved indices. The firm also showed lithographic and general printing, consisting of excellent specimens of Government securities, bonds, debentures, show cards, &c.

J. Williams, of Adelaide, exhibited some good work in account books and ruling. The finish of his work was especially noticed, also that his books opened freely, and were well sewn. He also showed general bookbinding, lithography, and embossing, in which he made a creditable display.

The largest exhibit of this class in the Exhibition was that of Sands and M'Dougall, Melbourne. It occupied four large show-cases and several smaller ones, and consisted of account books, publications, electrotypes and stereotypes, chromo and general lithography, embossing, engraving, and a fine assortment of fancy repp, cream-laid, blue-laid, and other envelopes. The account books of this firm were of an especially excellent character; they were well sewn, opened flat, and the paging was unexceptionally good. In publications they exhibited principally their Australian diaries, which compare favourably with those of well-known English publishers; and their scribbling diaries are not excelled anywhere. The exhibits of electrotypes and stereotypes were very good. The engraving, embossing, chromo and general lithography, consisting of seals, monograms, cheque forms, scrip, acceptance and other forms, the Australian copybooks, as well as the annual presentation chromos of the Art-Union of Victoria, are all excellent. The jury have recommended Messrs. Sands and M'Dougall for the Emperor of Germany's prize, as the most meritorious colonial exhibit coming under their examination.

W. Detmold, Melbourne, had a very large exhibit, comprising every description of bookbinding, envelopes, marbling, and machine-ruling. The account books embraced a wide range of first-class commercial work; the sewing was excellent; the books opened well; the head-bands were hand-worked upon the books; the

ruling and printing of headings were well done; the marbling on the edges chaste, yet bright in colour. The ordinary bookbinding consisted of elegant editions of popular works, upon which high-class work, all executed by hand, was displayed. The covers for illuminated addresses and a medallion case were of excellent workmanship.

Blackie and Sons, Glasgow, exhibited a fine collection of their well-known works. They ranked for bookbinding, printing, and publications. The binding of Brown's "Bible," and the editions of "Burns" and the "Ettrick Shepherd," were meritorious; the tooling and gilding were chaste and artistic. Their publications, besides the above, included a very extensive school series, and a series of cheap classics; also the "Imperial Bible," "Imperial Gazetteer," "Imperial Dictionary," "Old Glasgow," and many others; the printing and embellishment were choice. The lithography and black and coloured engravings of their books were admirable, and the bindings embraced inlaid morocco, smooth and grained morocco, tree calf, half-calf and morocco, and ordinary cloth binding.

A superior collection of books, illustrating excellence in binding, printing, and publishing, was shown by the Oxford University Press. The Oxford Bibles, and the works issued by the Clarendon Press, were sufficient in themselves to carry their own commendation. The case contained a good selection of Bibles and prayer-books, and the classical productions of the Clarendon Press. The superiority of the typography, with the elegance and quality of the bindings and mountings, were sufficiently marked to strike the most casual observer. Taking into consideration the excellence of the paper and printing of their works, the prices were reasonable.

Engel et Fils, Paris, exhibited a collection of the highest class of ornate binding. Their principal exhibits were an elegant edition of Dante, "L'Egypte," "La Forêt," "Musée de Deux Mondes," "Faust," "Atala;" and the binding did justice to the high-class productions of the best printers of Paris. The firm excelled in block-cutting and tooling, whilst the smallest detail was in keeping with the general excellence of the works; the end papers were tasty, and of new and chaste designs.

D. Appleton and Co., New York, exhibited a collection of works, competing in bookbinding, printing, and publishing. The books of this firm were all of first-class merit. "The American Cyclopædia" and "Picturesque America" are two works issued by them which claimed special mention; the typography is clear, and the wood cuts and steel engravings were carefully and elegantly printed.

T. Richards, Government Printer, Sydney, exhibited an extensive and very instructive collection in the New South Wales Court. The cases contain account books, ordinary bookbinding, printing, electrotypes, stereotypes, woodbury type, specimens of type-founding, lithographic and photo-lithographic proofs. These exhibits stood high in every class; the morocco extra binding and general binding displayed variety and neatness in designs, skilful and substantial work, in general keeping with the class of work bound. The ruling and paging of the account books and registers were first-class; but the binding was deemed by the jury too ornate for general purposes. The specimens of type and material were of good quality, and the type well made; the special type for cattle brands was well cast. The printing was commended for the excellence of the work, especially in the "Notes on the Exhibition, 1879."

There were four exhibits of albums in the German Court. A. Foerster, Berlin, showed a choice collection; he claimed a specialty in the binding, in which the mats are each hinged on leather, thus securing durability. There was affixed to each board of some of the albums a brass stop, which prevents the binding being strained by careless handling. The bindings, in leather and plush, were of excellent quality, and embraced novel and appropriate designs.

Under publications, "The British and Foreign Bible Society" exhibited a large collection of the Scriptures in every known tongue. The exhibit was up to the general and well-known excellence of the books issued by this Society.

The "British Mercantile Gazette," London, is an excellent publication, well edited, and replete with matter of importance to the trading community.

An extensive collection of educational and general literature was exhibited by W. and R. Chambers, of Edinburgh, comprising their "Journal," "Book of Days," "Encyclopædia" (which keeps so well abreast of the times that upon turning up the item "Victoria" we found mention made of the present Exhibition), "English Literature," "Information for the People," Kitto's Bible, "Miscellany," and many others. All this exhibit was from ordinary stock; and, taking into consideration their cheapness, the printing and binding were very good.

The "Graphic" proprietors exhibited the entire process of producing a high-class illustrated newspaper, and somewhat astonished the uninitiated with the multiplicity of labour necessary to the completion of an ordinary weekly issue. This exhibit merited special recognition for its educational features. The inner wall was decorated with original sketches made for illustrations; whilst on the outer wall was shown, in the likeness of the Duke and Duchess of Connaught, the various printings necessary for producing a good chromo-engraving. On the table in front were shown the box-wood, with the subject drawn on it ready for the engraver; the engraved blocks, with the electro-plate taken from it. Stereotype plates taken from a page of type, together with the moulds, were to be seen. They also exhibited materials for paper-making, paper, and a large pile of finished work in the form of monthly and weekly editions of the "Graphic."

A small but meritorious exhibit was made by W. Patterson, Edinburgh, who, in addition to his well-known "Guides," showed a superb edition of "Burns," in six vols., Molière's "Dramatic Works," and a "fine art" edition of Sir David Lindsay's "Scottish Heraldic Manuscript;" the letter-press and the illustrations were well done.

Trübner and Co., London, were represented by an excellent collection of literature, which has been presented to the Public Library. This firm is well known for its high-class productions, especially for works upon the history, religions, languages, and literature of India, China, and the East. The exhibit embraced "Hebrew and Christian Records" (by Dr. Giles), "English Rule in India," Thorburn's work on "Afghanistan," "Early Records of British India," "Problems of Life and Mind," and many others.

Sampson Low, Marston, Searle, and Rivingtons, London, exhibited a good selection of their works, including a large folio edition of the Gospels, with Bida's illustrations; Guizot's "Histories," "Prince of Wales's Indian Tour." The publications are commended for their first-class character.

A good display of popular publications, comprising cheap dictionaries and hand-books, was made by Ward, Lock and Co., London; they also showed an edition of Doré's "Gift Book," Beeton's "Encyclopædia," Haydn's publications, and Doré's "Guinevieve." The works were well printed and neatly bound.

Eugène Belin, Paris, exhibited a collection of cheap books and maps, chiefly educational, and which are used in most of the public schools and colleges in France. The prices of these works were surprisingly low.

Another large collection of educational works was that of C. Delagrave, Paris, including maps, atlases, &c. This house ranked high for its scholastic publications, some of which are intended for the higher branches of education. He exhibited "Tableaux D'Histoire Naturelle," "Dict. de Biographie," "Le Livre de la Ferme," "Rome au Siècle D'Auguste." These were all well printed and illustrated.

A good collection of books, principally of a scientific character, was exhibited by Gauthier-Villars, Paris, who both prints and publishes. He is the printer for all

the leading observatories in France, as well as the "Ecole Polytechnique" and the "Société Météorologique." The printing, especially of tables and mechanical and scientific drawings, was excellent, and the productions were generally of high merit.

Hachette et Cie., Paris, exhibited a large collection of *éditions de luxe*, including the excellent work "Les Saints Evangiles" (illustrated by pen-and-ink etchings by Bida), Dante's "Inferno," and a number of works illustrated by Gustave Doré. Special note was made of the superb edition of "Le Tour du Monde," published at a heavy cost; also, "Roland Furieux," "L'Italie," "Don Quichotte," "Les Bords de l'Adriatique," and "L'Inde des Rajahs;" many of the works of this firm were also included in the exhibit of "Le Cercle." The bindings of their books were of unexceptional merit.

A special feature in the French exhibits was the works printed and published by D. Jouaust, Paris. These were of a distinctive character, being beautifully printed, and the number issued limited. Every book was printed on a special paper in two inks, illustrated with pen-and-ink etchings by the best artists, and bound in vellum. The principal were—"Physiologie du Goût," "Œuvres de François Villon," "Pensées de B. Pascal," "Œuvres D'Horace," "Bibliothèque Musicale de l'Opéra," "Le Livre d'Or du Salon de Peinture," "Psyché," and numerous others, ranging from five francs to one thousand francs per volume.

Another firm exhibiting educational works was that of E. Plon et Cie., printers and publishers, Paris. Their works comprised history, literature, political and social economy, philosophy, travels, fine arts, religion, medicine, laws, &c., the printing and binding of which were superior. In their case was to be found "L'Inventaire Général des Richesses D'Art de la France," "Chefs d'Œuvre de Shakespeare," "Voyage autour du Monde."

J. Rothschild exhibited high-class scientific works, with illustrations, many of which were hand-painted. This collection is one that fortunately has been secured for the Public Library. The work "Forestier de France" was profusely illustrated by engravings, coloured by hand, whilst the letterpress was of equal merit.

LE CERCLE DE LA LIBRAIRIE, Paris.—In the exhibit of the "Cercle de la Librairie" thirty-six different firms were represented, each one publishing a special class of books, either scholastic, literary, or scientific. There were over seven hundred volumes in the collection. The following were the principal works:—"Don Quichotte," "Les Fables de Lafontaine," "Roland Furieux," "L'Enfer" (par Dante, illustrated by Gustave Doré), "Les Saints Evangiles" (illustrated with pen-and-ink etchings by Bida). This work is the finest of the kind yet published. It cost the proprietors one million francs, and occupied over twelve years to prepare before the first volume was issued by the publishers, Hachette et Cie. A collection of the well-known Jules Verne's works—"Tour du Monde en 80 Jours," "Voyage au Centre de la Terre," &c., &c.—and illustrated by the best artists, were exhibited by Hetzel et Cie. Firmin-Didot et Cie. sent "Jeanne d'Arc," "La Sainte Verge," "L'Ornement Polychrome," and several other works, most beautifully illustrated with coloured plates, and very carefully printed. One of the most remarkable works was published by Berger-Levrault et Cie., of Nancy; it is entitled "Nécrologie des Spinaliens Morts pour la Défense de la Patrie." The text of this book was printed in silver, on a black ground, and was very prettily ornamented. "Saint Vincent de Paul" and "Le Costume au Moyen Age," both illustrated, the former in colours, were from Dumoulin et Cie. "Histoire des Peintres de toutes les Ecoles," illustrated by wood engravings, is published by H. Loones. A very interesting collection of illustrated publications on engineering and architecture is shown by Ducher et Cie. and J. Baudry, the latter having contributed a copy of "Les Appartements de S. M. l'Impératrice au Palais des Tuileries," which contained some very fine drawings of decorative work. Many architectural works of importance, showing the different styles, were exhibited by

Vve. Morel et Cie., and included a collection of "L'Art pour tous" and "La Sainte Bible," in two volumes, illustrated by Gustave Doré. "Missale Romanum," in Latin, and splendidly illustrated with steel engravings, was sent by the well-known firm of Alf. Mame et Fils, of Tours, along with several devotional and general literary works, all of which were beautifully printed. A work on string instruments, in three volumes, and illustrated with pen-and-ink etchings, and bound in vellum, was furnished by J. Claye, of Paris. "Les Amateurs d'autrefois;" "Amsterdam et Venise," illustrated with wood engravings; "La Vie de David d'Angers," "Voyage autour du Monde," by Comte de Beauvoir, in which there is an interesting account of Australia, and many other works, were from Plon et Cie., Paris. Some children's reading-books, well illustrated, were exhibited by P. Ducrocq et Cie. Illustrated works on natural history, and "Le Dictionnaire de la Médecine," published by J. B. Balliere et Fils, and some very interesting literary and poetical works by the best authors, were contributed by A. Quantin, Paris. The printing and binding of all the above works were also of a very superior character.

A. Le Vasseur, Paris, justly deserved mention for the excellence of his exhibit, in which was found "Dictionnaire Universel d'Histoire Naturelle," par C. D'Orbigny, in twenty-eight volumes; "Concile Œcumenique de Rome," in eight volumes; "Le Règne Végétal," in seventeen volumes; "Dictionnaire Universel du 19me Siècle," in six large volumes, with a supplement; "Dictionnaire Encyclopédique de la Conversation," in sixteen large volumes.

Some high-class books, with etchings and steel engravings, executed in an unexceptionally good style, were exhibited by L. J. V. Willem, of Paris.

Vilmorin-Andrieux et Cie., of Paris, the well-known seed house, exhibited a series of albums of fodder plants and flowers, mounted on boards and canvas. These have been lithographed in outline and hand-painted, and are valuable additions to the library of the botanist, as well as being of importance to those engaged in pastoral pursuits. The following report on them has been made by Baron von Müller, K.C.M.G., Government Botanist:—

Melbourne, 25th February, 1881.

To J. Cosmo Newbery, Esq., Superintendent of Juries and Awards. Sir—In accordance with your request, I have inspected the atlases by Mons. Vilmorin of economic grasses and vegetables, and that of flowers, in the Exhibition, and beg to offer the following report:—One atlas consists of nine plates of pasture and lawn grasses, and thirty of select vegetables, each plate containing several sorts of grasses or varieties of vegetables, correctly named, all splendidly coloured, mostly by hand-painting, and all of natural size, and original. The leading sorts of grasses and kitchen vegetables grown in France (and, indeed, in use in most other parts of the globe) are there illustrated in very faithful representations, and in a very showy manner. The second atlas contains fifty plates of flowers, twenty-one of which are of bulbous and tuberous plants, arranged in bouquets, and comprising the leading species of flower gardens, grown in the open air in France, and generally elsewhere. Each bouquet occupies a plate, and consists of many miscellaneous species, painted by hand in gorgeous tints. The nomenclature is correct, as in the other atlas. The size of the plates is large double folio; the impressions are lithographic; the paper and typography are good in both atlases; and together they represent several hundred objects. These works are, *à priori*, intended as a pictorial display of the most prominent plants, of which seeds (correct as regards species or variety) can be obtained from the great firm of Vilmorin and Andrieux, of Paris. These atlases, which are brought out in France, serve, however, any cultivator or plant or seed trader as reference, and, particularly that of the flower bouquets, would form even a splendid festival gift anywhere. I am aware, from my own literary experience, how much care must be bestowed on the issue of such magnificent works, and what a large expenditure their preparation involves. I may add that these literary productions are under process of continuation. If it is my province in mere reporting to give a definite opinion of these pictorial exhibits, I would remark that, taking all circumstances into consideration, they are deserving to be placed in the first order of merit among articles of their particular class.—I have the honour to be, sir, your obedient servant,

FERD. VON MUELLER.

P.S.—A portion of the plates of one copy of the work is exhibited in frames on the walls of Vilmorin's space.

Stroefer, Munich, exhibited an edition of "Faust," profusely illustrated. Both letterpress and illustrations were very good, and the work was of such a character as to deserve special mention.

Cav. E. Dalmazzo, Turin, exhibited a Polyglot Dictionary in English, French, German, Italian, Modern Greek, and Arabic, and, with the dictionary, showed some of the stereo moulds and plates. This work is a valuable compendium; and the typography, embracing as it did such a variety of type, was a creditable production; it is comprised in two moderately sized quarto volumes.

Garnet Walch, Melbourne, exhibited his handsome volume, entitled "Victoria in 1880." With the exception of the paper, this was the production of colonial artists and workmen, and did credit to the colony.

Howard Lockwood, proprietor of the "Lockwood Press," Duane-street, New York, ably represented the printing and publishing enterprise of the United States. He exhibited printing, publishing, and photo-typography. The exhibit included the "American Stationer," the "Paper Trade Journal," the "Musical and Dramatic Courier," the "American Mail and Export Journal," the "Millers' Journal," the "Stationers' Price Book," and "Lockwood's Directory of the Paper Trade, 1880." The "American Mail and Export Journal" is a high-class trade medium; the illustrations were good. It is carefully edited, well printed, and meets an evident want in commercial circles. The "American Stationer" is a useful publication for those in the trade, and is superior to any other similar publication. The "Stationers' Price Book" is an annual; and, as a work for immediate reference, it is valuable to those in the trade. The "Musical and Dramatic Courier" was illustrated with vignettes of stage celebrities, well printed, and well posted with items of interest to those for whom it is intended. The photo-typographic exhibit was a copy of this paper, and, though reduced to one-ninth, every letter was as clear and distinct as the original letterpress. The "Directory of the Paper Trade" is an annual and useful publication as a work of reference to those connected with the trade. The specimens of job printing of the "Lockwood Press" embraced circulars, posters, books, &c., in English and German. The finish and style in all cases, whether letterpress or illustrations, displayed tasteful design and superior workmanship, whilst the prices were exceedingly low.

G. and C. Merriam, Springfield, Mass., exhibited their "Webster Unabridged," the standard dictionary of the United States. This work contained nearly two thousand pages, and over three thousand engravings; the illustrations and printing were such as place it in the first rank of English lexicons.

A superior specimen of American publications was exhibited by Houghton, Mifflin and Co., Boston, in an edition of Longfellow's poems, in two quarto volumes, profusely illustrated, printed on toned paper; the illustrations were by first-class artists, and executed in the high-class manner for which American publishers are now famed. The binding was an excellent specimen of careful and artistic work, and thoroughly in keeping with the other parts of the production.

M'Laughlin Bros., New York, exhibited illustrated toy-books, for which they received awards in publications and printing. They displayed great variety, many attractive novelties; the colours were bright, the illustrations artistic, and the letterpress clear and distinct; whilst the prices were exceedingly low.

Jan Leendertz, Amsterdam, showed a large folio volume of reproductions of the old Flemish masters; it was a work exhibiting the excellence which this early home of high-class printing still maintains.

Amongst those excellent exhibits of printing not already commented upon, was that of Sir J. Causton and Sons, London, printing upon iron tablets. The show plates, for which the firm has letters patent, were illuminated in the best styles of chromo-printing, and are eminently calculated to serve the purpose of advertising mediums—attractive, and at the same time durable.

The "Patent Enamel Company," Birmingham, exhibited enamelled iron tablets, suitable for church, street, architectural, railway, and general decorative work.

Unwin Bros., London, exhibited some excellent specimens of printing on zinc tablets, which were suitable for window and other advertising, being durable, reversible, and flexible. They also exhibited some specimens of reproductions of Caxton's and other early printers, in which the paper, type, and illustrations were all closely imitated. Their chromo-lithography, embracing calendars, society certificates, menu programmes, window cards, labels, &c., were all executed in the best styles.

A display of good printing was made by Chaix et Cie., Paris, who exhibited a number of useful works, such as railway guides and other similar handbooks. They also exhibited some excellent printing, indicating careful work and exactitude of register, in railway scrip, and other descriptions of public bonds. The establishment is very extensive, and combines type-founding, ink manufacture, binding, &c.

The United States Public Printer, Washington, exhibited a work, in three large volumes, entitled "The Medical and Surgical History of the War of the Rebellion," which was well illustrated; in the printing care and skill had been displayed. The exhibit under this head of the "Reports of the United States Bureau of Education" was also of great merit.

A small but chaste and well-executed exhibit of colour printing, displaying both skill and excellence in workmanship, was made by Matthews and Warren, of Chicago.

Kelly and Bartholomew, New York, exhibited the "American Printer," a high-class serial publication, which was a splendid sample of the perfection attained by typography in the United States. The designs upon the covers, and the illustrations and letter-press of each number, were unsurpassed.

There were no British exhibits of artists' and drawing materials. Pitet Ainé, of Paris, made a very creditable display of brushes and artists' materials. The articles shown by them substantiated the reputation of this house, which has had a growth of fifty years.

Rocher Prost et Cie., Paris, had a fine display of brushes, colours (both moist and dry), palettes, cabinets, and tourists' boxes and accessories, of superior quality and finish. The house has been established nearly a century, and the class of goods is such as will enable them to compete, both in price and quality, with any other manufacturer.

A. W. Faber, Berlin, exhibited a small collection of artists' materials, which were of first quality.

J. T. Buxton, Melbourne, had a large display of various items included under this head, comprising crayons made from Victorian clays, easels of original designs, palettes, stretchers, models, colour boxes, and drawing-boards, all of which were equal to the best class of goods to be procured in the ordinary market.

H. W. Caslon and Co., London; W. Wöllmer, Berlin; A. and F. Vanderborcht, Brussels; and H. Thitchener, Melbourne, exhibited a good display of the various styles of printing type and printed specimens of type; regular in quality, fine faces, evenness, and good finish. G. Bruce Son and Co., Albany, New York, and Mackellar, Smiths and Jordan, Philadelphia, exhibited, in addition to the ordinary type, specimens of fancy and ornamental lettering, consisting of interlocking penman type, imitation of engraving, and beautiful borders, displaying great variety, coupled with beauty of design. The wood letters and borders exhibited by W. H. Page, of Connecticut, and C. Furse, Melbourne, represented the material employed in the production of large posters and job printing generally. The American samples were mostly cut on rock maple and birch, end grained; the major portion of the Victorian is cut on selected kauri, which is found to stand as well as any of the imported woods. The borders are made to scale, so that they will join without any chance of spoiling the design. In the two-colour letters, the

size of the blocks for both the inner and outer were exactly the same, so that perfect register is secured without trouble.

An exhibit of composition for typographic rollers and litho. rollers with French skins was shown by Claris and Gallice, Lyons ; they employ improved material in the manufacture, and claimed that their rollers served for more than a year without requiring renewing, as well as resisting heat and changes of temperature.

C. G. Roesler, Melbourne, exhibited a good collection of bookbinders' tools and blocks, which displayed first-class workmanship and mathematical exactitude in cutting. He also exhibited some excellent rubber stamps, for desk and pocket use.

Amongst the New Caledonian exhibits there were some excellent samples of lithographic stone, which differed but little, except in colour, from the German, as it had, like them, the property of absorbing grease, and so preserving the drawing during the operation of printing.

A. J. Azzopardi, of Melbourne, showed an extensive and interesting exhibit of electros and stereos, illustrating the process employed ; the use of wax moulds facilitating the reproduction of the finest lines with clearness and distinctness. The electros were planed at the back by steam machinery, so as to secure exact uniformity of height, which is of great advantage when they are worked with ordinary type ; perfect cohesion is secured between the backing metal and the copper shell.

Besides those already mentioned, the following exhibits were worthy of special observation :—W. and A. K. Johnson, Edinburgh, atlases and maps. The well-known excellence of these publishers, embracing all the commendable features in this class of work, was maintained by their exhibit. The printing and colours were good and permanent, the maps were well and strongly mounted and varnished, while the prices were extremely low.

Maclure and Macdonald, London, exhibited excellent work in chromo-litho. and general commercial litho. printing, consisting of illustrated show-cards and window advertisements. Every description of work executed by this firm was first-class, and possessed more than general excellence.

F. Appel, Paris, exhibited a series of twenty-eight chromos, a number of lithographs, and some oleos. on tin, and a superior exhibit in oleography, entitled "Missel Portugais." The whole of these exhibits were executed with great care and taste, the colours were worked accurately, and many of the exhibits equalled hand-paintings.

Some excellent productions in framed oleographs were exhibited by Jeannin Fils, Paris, which were cheap.

A large display of oleographs and other chromo-lithographic work was made by Germany, some of them being of considerable merit. Some scenery, principally alpine and forest, in oleo., framed, were exhibited by E. Gaillard, Berlin ; these claimed to be reproductions of oil paintings ; they were quoted at very cheap prices, and were creditable productions, in which the over-colouring generally noticeable in this class of work was avoided.

H. Schött, Rheydt, exhibited some excellent specimens of fancy, enamelled, and embossed papers in chromo-lithography, which were commendable productions.

G. Seitz, Wandsbeck, exhibited a number of works in chromo-litho. which were both cheap and good, comprising water-colour imitations, oleographs, flower devices, and landscapes. The "Year in Flowers," and the water-colour imitations, were worthy of special mention.

A large collection of oleographs was exhibited in the Austrian Court by E. Hölzel, some of which were of great merit ; the prices quoted were very low, and the work was executed in first-class style. Some sepias were exceedingly well done.

The "American Bank Note Company" exhibited coloured engravings of bonds, coupons, share scrip, bank and Government notes, and postage stamps, all well executed and artistically arranged.

J. A. Lowell and Co., Boston, displayed steel-plate engraved cards, printed by the "dry printing process," suitable for programmes, menu, and business purposes. The delicacy of shading brought out by this process was unsurpassed anywhere, and displayed general artistic and mechanical excellence.

Forbes Litho. Company, Boston, exhibited coloured lithographs and label work which were both cheap and good. Their large theatrical posters were excellent specimens of chromo-lithography.

L. Prang, Boston, showed a number of specimens exhibiting the perfection of chromo-litho. work; one subject shown necessitated forty-five different printings, the skill which was necessarily displayed in the accurate registering of such work, and the gradations of tint resulting, were extremely meritorious.

E. Whitehead and Co., Melbourne, exhibited specimens of engraving and embossing, such as visiting cards, ball programmes, menus, invitation notes, embossed initials and monograms, which were excellent for design and workmanship.

A large exhibit of chromo-litho. and general litho. work was shown by C. Troedel and Co., Melbourne, embracing portraiture, landscapes, &c., all of superior merit.

The jury took special care in testing the various exhibits of writing ink, and also the printing inks. The awards made show, in their opinion, the relative worth of the different exhibits, taking into consideration their various merits and prices.

H. C. Stephens, London, exhibited a security ink, which had the property of resisting to a considerable extent the action of detergents. The "Très Noir" combined ink was an excellent copying ink. The scarlet and brilliant red were good inks.

Lyons and Co., Manchester, exhibited a remarkably fine scarlet ink, which threw no deposit, and showed great permanency of colour. Their blue-black threw but little deposit when exposed, and the blue-black copying was a good commercial ink.

Toiray-Maurin, Paris, exhibited an excellent sample of copying ink, and their insurance and polygraphic copying inks facilitate the reproduction of a great number of copies with suitable paper. They also exhibited an extra double black ink and a universal writing ink, all of good quality.

Antoine Fils, Paris, exhibited black, combined, copying, and new red inks. Their blacks were good commercial inks; the red and copying were also good.

Carter, Dinsmore and Co., Boston, exhibited excellent samples of copying, "combined copying and writing," and black and coloured writing inks. The writing fluid for book-keeping was commendable for being a good colour, flowing freely, and throwing no deposit when exposed. The violet, black boudoir, crimson, and carmine were all excellent inks.

C. Brandauer and Co., J. Gillott and Sons, and D. Leonardt and Co., Birmingham, were all exhibitors of steel pens which were unsurpassed for finish, flexibility, durability, and cheapness.

Baignol and Farjon, Boulogne-sur-Mer, were exhibitors of steel pens, pencils, and penholders. The excellence and cheapness of this firm's manufactures secured for them a well merited position.

G. Schwanhäuser, Nuremberg, showed the largest and best assorted collection of pencils, from the finest drawing pencils to ordinary carpenters' and school pencils. They were of good even quality, and free from gritty particles.

The exhibitors of sealing-wax claiming mention were Waterston, Sons and Stewart, Edinburgh; Blackwood and Co., London; and Toiray-Maurin, Paris.

Aikin, Lambert and Co., New York, made a fine display of gold pens, penholders, and pencil-cases. The pens were specially pointed, and possessed many features of superiority over the steel goods, durability and consequent economy being not the least. The designs were chaste, and the ornamentation artistic.

D. Mackinnon and Co., New York, exhibited the "Mackinnon Pen." The principal feature of this pen was the fountain or supply of ink contained in the holder, enabling an immense amount of work to be done in less time and with less fatigue than ordinary; and though not suitable for stenography, it must prove a great boon to all other classes of constant and rapid writers.

An exhibit of a useful and efficient compound, termed "Puzzoline," was made by "The Puzzoline" Company, Boston. This material possesses great strength and other features of superiority over the general run of this class of goods.

Zuccato and Wolff, Great Britain, exhibited a machine for the rapid multiplication of copies of writing, termed the "Trypograph." This was an ingenious process by which a paper stencil was produced, and from it a large number of impressions could be printed in a permanent black ink; it was superior to the composition paste process, as it was more rapid and cleanly, and secured the production of many more copies, whilst it did not require renewing. The cost was low, considering the merits of the machine.

E.—PRINTING INKS.

C. Lorilleux, Puteaux, Seine.—Their strong bookbinders' ink was very fine, and the No. 1 black machine ink was excellent.

H. D. Wade and Co., New York, submitted a number of samples. Their book ink, job black quick drying, and extra fine book, were superior inks. The rose lake was extra good and very bright; the Oriental blue and cardinal carmine were also extra good; the deep bronze blue, lake, carmine, extra fine red, and geranium scarlet were all very suitable inks; the deep blue, orange yellow, regal green, and yellow gold size were good.

Janecke and Schneemann, Hanover, exhibited a very fine sample of black ink; also a good sample of black machine ink. The brilliant lake and geranium lake were extra good; the light chrome yellow was excellent; the dark silk green, light silk green, and carmine violet were good inks.

The Government Printing Office, Japan, exhibited six samples, which were quoted at very low prices. The black was extra good; also, the deep carmine, the light carmine, red, and light green were very superior.

F. T. Wimble and Co. exhibited some samples of light and dark varnishes, which were of good quality.

In lithographic inks, C. Lorilleux, Puteaux, exhibited good black and coloured, which printed well. F. Orsenigo, Milan, exhibited good blacks, all clean working.

S. Cooke, Melbourne, exhibited some fine coloured litho. inks, which were well made, and worked freely.

J. FERRES,
Pro Jury.

EXPERTS' REPORTS.

PUBLICATIONS.—Dunod, Paris.—The enterprise of this gentleman entitles him to rank in the first order of merit. The publications all belong to the higher order, such as engineering and architecture; in fact, nearly all the higher professional branches.

PRINTING.—M'Carron, Bird and Co., Melbourne.—Their artistic printing will bear a favourable comparison with that shown by any other firm receiving the first order of merit; and I would respectfully suggest that they receive a first order of merit for artistic printing.

Mason, Firth and M'Cutcheon, Melbourne.—For general, job, and commercial printing they are entitled to a first order of merit.

PENS.—Perry and Co., Great Britain.—This exhibit I recommend should be raised to the first order of merit.

ACCOUNT BOOKS.—Cowan and Co., Melbourne.—I recommend that this exhibit should be raised to first order of merit. The paper ruling and paging are perfect, and as good as any shown.

PHOTOGRAPHIC MOUNTS.—I have examined the card mounts exhibited by Mr. Fox, Melbourne, and believe them to be equal to anything of the sort imported. I consider that he is entitled to a first-class award.

JURY SECTION V.

Class 12.—Photographic Proofs and Apparatus.

JURY.

J. Noone, Chairman, Great Britain.
J. Hicks, Victoria.
R. Russell „
L. Radinger, Austria.

Lieut. G. Magliano, Italy.
E. Klingender, Victoria.
H. Kowalski, United States.
E. Cecchini (substitute), Italy.

EXPERTS APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

I. Thomson.

L. Hart.

Sir—The jury appointed to examine and report upon the exhibits in Section 5—Photography—have the honour to report as follows, viz.:—

We have divided the exhibits into five sections—

- (a) Landscape photography, including photographs of buildings.
- (b) Portraits taken direct, neither coloured nor tinted.
- (c) Coloured and tinted photographs.
- (d) Enlarged photographs, whether portraits or landscapes.
- (e) Heliotypes.

The jury have decided upon awarding three orders of merit in each section.

The number of the photographs exhibited is very large, most of the exhibitors submitting photographs in several classes. This, together with the fact that they are scattered throughout the building, has entailed a large amount of work upon the jury. The Australian colonies and New Zealand are the largest exhibitors. India and Japan are well represented. England and the continent of Europe have sent a large number of exhibits. The United States of America are represented by two exhibitors only. A great number of photographs from all countries are of a very superior quality.

J. NOONE,
Pro Jury.

REPORT OF EXPERT ON ALBUMENISED PAPERS.

I have the honour to inform you that I have examined, and practically tested, the various albumenised papers for photographic impressions exhibited by G. Rother.

I consider them to be equal to any papers in the market as a whole, and the violet-blue, for special landscape work, superior; giving clean, brilliant, and well-toned prints. No. 3, for portraits, also deserves special notice for its fine lustre and agreeable tone.

JURY SECTION VI.

Class 13.—Musical Instruments and Printed Music.

JURY.

L. Caron, Chairman, France.
G. Gerlach, Germany.
A. Giammona, Italy.
W. Anderson, Victoria.
L. Michaelis, Belgium.

C. Plunket, Victoria.
L. Moonen, Switzerland.
W. E. Keighley, Great Britain.
T. Morant, United States.
J. Siede, Austria.

SUB-JURY FOR PRINTED MUSIC AND MUSIC INSTRUCTIONS.

P. Lamal, Chairman. | H. Kowalski. | L. Michaelis.

EXPERT APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

W. R. Blazey.

In the system of awards for pianos adopted by the jury, two distinctions only were made—Grand Pianos and Cottage Pianos; and the awards made under the heading of “Concert Grands” were held to include the several sizes of grands which a maker might exhibit. An exhibitor of both descriptions could thus get two prizes, but not more.

The awards were based on the inherent merits of the instruments under each of the following headings:—

Quality of material, finish, &c.—Action.—Tone.—Touch.

GRAND PIANOS.

BLUTHNER.—In this piano the American system of cast-iron frame and overstringing has been introduced. The tone is very powerful and rich; it is also very regular throughout the entire scale, and does not lack that sweetness so often wanting in full and deeply-toned instruments. All makers are striving by different means to sustain the sounds. The *sostenente* in the treble of this instrument is equally produced by a duplex scale on the aliquot system: over the strings struck by the hammer is stretched another string, which vibrates by sympathy with the others, and thus continues the vibration imparted to them. Mr. Blüthner, who has tried this system with two and three strings, has wisely returned to his first essay, with only one string. The pianos are well constructed, and the action, which is an excellent repetition mechanism, is well made. A semi-grand piano exhibited by them maintains fully the reputation of this celebrated maker. First award.

BORD (Paris).—In the semi-grand and short grand of this firm we have an instance of a maker placing the economy or cost of production on a par with the qualities which we generally expect to find in a piano. To give a good piano at a low price is a problem which every maker tries to solve. Mr. Bord has obtained a first award for cheapness combined with quality. He has adopted the cast-iron frame and the overstrung system, and is enabled to give at a low price an instrument that meets the requirements of those who wish for a good but inexpensive piano. The tone is sweet, sufficiently powerful for the largest hall; the action, by Schwander, of Paris, is well made, and another quality in favour of this instrument is its lightness. First award.

BRINSMEAD, J., AND SON, London, exhibit a concert grand of good tone, fine treble, sweet medium, and powerful bass. This instrument has been played upon during the whole of the Exhibition, and has borne well the strain placed upon it by its frequent removals from one part of the building to another, and maintained the reputation of the makers for solidity of construction. Like the French makers, Messrs. Brinsmead have retained the old system of wooden instruments and parallel stringing. The innovations due

to American, and adopted so completely by German manufacturers, have to be considered from different points of view, viz., solidity of construction, sonorous tone, and economy of cost. They, as well as the French makers, do not ignore the advantages to be derived from the American system, and if they have not adopted it, it is possibly because they suppose that the vibration is greater and the sound travels further in the piano entirely constructed of wood than in that of iron. This firm also exhibited a semi-grand and a boudoir grand, which fully maintained their reputation. First award.

CAMPO FRERES (BERDEN), Brussels.—This firm has retained the French quality of tone in its pianos, although it has adopted the cast-iron framework and the overstrung system. The action of the semi-grand instrument is well made, and by the direct action of the hopper all friction is reduced to a minimum. The touch is light and agreeable, the tone even, and the quiet, neat appearance of the cases makes those instruments especially recommendable. First award.

ERARD.—The concert grand instrument of eight octaves is remarkable for its tone, which is mellow, soft, and powerful at the same time, besides being even or regular; its quickness and elasticity of touch, due to the well-known repetition action, give the performer a most complete command over the instrument, and the keyboard is exceedingly well regulated. French makers have shown great hesitation in adopting metal frames and the overstrung system introduced by the American makers, and although Messrs. Erard have used metal bars in the construction, they have employed the ordinary system of stringing. A duplex scale has been introduced in the treble. The utility of this system of prolonging or doubling the string so as to obtain a greater resonance may be open to discussion, but as American and German makers employ it, Messrs. Erard have, no doubt, introduced it in this piano by way of experiment only. A good player can, however, produce new effects by aid of the third pedal, which commands the *sostenente*. The semi-grand piano, richly ornamented with gilt brass ornaments, as well as the cottage, magnificently decorated with gilt bronze fittings and marble columns, are splendid specimens of the high artistic finish which this firm is able to give to the exterior of their instruments. First award.

GEBAUHR.—Semi-grand piano of average fair quality. The tone is powerful, but metallic, as in almost all iron-framed instruments; the treble, however, is sweet. The action is good, as also the touch. Second award.

HERZ, H.—The concert grand piano of this maker is a very powerful instrument, constructed according to the plans long since adopted by him, and which have established his fame. The tone is clear and brilliant or soft and sweet at the will of the performer, and can be modified by the touch, which is exceedingly delicate, the keyboard being well regulated throughout. M. Herz, like many other makers, seeks to impart to his instruments the *sostenente*. In this piano he has obtained, by a judicious arrangement of the sounding-board, and a careful attention to the action of the dampers, a well-sustained sound throughout, without any of the extra appliances of other makers. The instrument is of solid construction and excellent finish. First award.

HERZ PH. (CANUT, MORITZ, ISER AND Co).—The pianos of this firm, also of wood, and with parallel strings, like those of other French makers, have an excellent quality of tone. The touch is good and the keyboard well regulated. The sustaining power is also great, and, like the older firm of H. Herz, Messrs. Canut, Iser and Co. have employed none of the new appliances of other makers, and have merely isolated the sounding-board so as to give the sound a greater length of vibration. The action shows improvements, notably in the diminution of the length of the leverage by a judicious division of the centres. First award.

HOFMANN.—Extra short boudoir grands; cast-iron frames, and overstrung. The action is of the ordinary Vienna make. The tone is clear and sharp. The

sounding-board, being suspended, insures a good vibration. A little more evenness in the tone would, however, be desirable. The cases are well made. Second award.

HÖLZL.—Short grand piano of fair quality of tone. The touch is good, the action of ordinary make; the construction is fair. Second award.

IBACH, Barmen.—Semi-grand piano. The quality of the tone of the bass is good, but somewhat metallic; the treble is not so powerful. The action, which looks like Schwander's, works well. Second award.

KAPS.—The piano exhibited by this maker is a short grand, of excellent quality of tone. It is overstrung on the American principle, and Mr. Kaps has not feared the metallic quality which the introduction of the iron frame and broader division of strings might give him. He has also introduced the resonator in the treble, a kind of air chamber over each string, continuing the sound after the hopper has left the strings. The action, by Hermann, of Hamburg, is a very good one. First award.

OESER, F., Vienna.—The short grand piano of this firm is made entirely on the American principle; the tone is powerful but somewhat metallic, though it is even. The action is simple, the touch good, and the price low. First award.

SCHIEDMEYER AND SONS.—Semi-grand piano, also made entirely on the American principle; powerful tone, somewhat metallic. The touch is rather firm, but the action is well made, and the workmanship highly commendable. It is, altogether, a well-finished piano. First award.

SEILER.—Short boudoir grand, the tone of which is also rather short. The touch is ordinary; but the price of the instrument is very low, and this has been taken into consideration. Second award.

THIBOUT (VVE.), Paris, has, like Bord, entirely adopted the American system, and has also endeavoured to compete with that firm for cheapness. The tone of this piano is full and deep. The action, by Rohden, is well made, the touch agreeable, and the workmanship very fair. A cast-iron frame is used, and the instrument is overstrung. Second award.

WESTERMAYER exhibits a semi-grand of very fair quality of tone and touch. In this instrument M. Westermayer has introduced an invention of his own. A bar under the keys may be raised or lowered by means of a screw, and thus diminish their fall at the performer's will. The utility of this system has not been clearly demonstrated, and the use of common hempen string for the return of the hopper must be subject to the divers atmospheric changes of a climate like that of Australia, and is open to objection, from being likely to get soon out of order. The sounding-board being quite detached from the iron frame, an increased amount of vibration is produced. Second award.

COTTAGE PIANOS.

AJELLO, London.—Double overstrung instrument; well constructed. The tone is even, and tolerably good. The repeating check action, by Schwander, of Paris, is well made. Third award.

AUCHER FRERES, Paris.—These pianos are of wood, with straight or semi-oblique strings, bars of iron to bear the straining of the strings, &c.; the tone is fair, the touch agreeable, the action, by Schwander, of Paris, well made, and the cases neat and artistic without being gaudy. Originality for the folding keyboard was claimed, but this invention is well known and adopted by so many French makers as to be hardly worth notice, unless it is as a specimen of workmanship in accurate adjustment. Second award.

BRINSMEAD, J., AND SONS, London.—The pianos of this firm are well constructed. Their patent action is greatly simplified by diminishing the number of centres,

repeats well; the sounding-board covering the whole surface of the instrument, has greater elasticity; the vibration of the strings is greatly increased, and the tone improved thereby. An improvement on the system of compensating bars is also introduced, the strings passing over them on to the bridge of the sounding-board; a pressure bar, which can only be regulated by means of a series of screws, controls the pressure of the strings so as to diminish or increase the tone at will. The touch of these instruments is most agreeable. First award.

BLUTHNER.—A large pianoforte, in a handsomely carved oak case. The tone is sweet and pure, the touch excellent. The power of this instrument is greatly diminished by the fact of the case being made of oak, which wood when used solid, as in this piano, and not as a veneer, prevents the vibration, and concentrates the sound much more than in a piano of veneered pine. First award.

BIESE, Berlin, shows a good instrument, carefully made on the American principle. The tone, which is very powerful, possesses sweetness, and the touch is excellent. The case, in walnut, is panelled, and handsomely carved. First award.

BRIZZI AND NICCOLAI, who show a fair sample of their make, have adopted the overstrung system, but, in other respects, they have retained the principles of the European makers. The piano is well constructed, the action is good, and the tone and touch of the kind that has hitherto characterised this firm. First award.

BORD, Paris.—The quality of the tone of these pianos is good, the touch light. There being no iron in their construction they are more transportable; the cases are in the simple, but neat, French style. Their cheapness is also a recommendation. Second award.

BOISSELOT, Marseilles, exhibits pianos the touch of which is agreeable; the action is good, but the tone somewhat woody. They are made on the ordinary French principle. Second award.

BERRENS, Antwerp.—Four instruments were exhibited by this maker. The best of these had its wrest-plank unglued, and could not therefore be judged with complete fairness; the others were of fair average quality. Fourth award.

CAMPO FRERES (BERDEN), Brussels, show four pianos, tolerably well constructed. This firm manufactures its own actions and keyboards. The touch of their pianos is elastic; the tone is even throughout, and not disagreeable, and the cabinet work of the cases is neat and plain. Second award.

CLOSE, Melbourne.—The jury, without making any award to this instrument, which was composed of foreign materials, consider it a creditable essay.

CHALLEN AND SON, London.—In these pianos cheapness has been combined with a good quality of tone, and a light, agreeable touch. The double overstrung model is built on the new principle, with a cast-iron frame. The action is well made, and the cases, constructed carefully so as to resist the changes in a variable climate like that of Australia, are not without elegance. First award.

DASSEL, Berlin, has a piano made on the American system, with a cast-iron skeleton frame, wood wrest plank, but covered by a plate of brass, agraffe, &c. The instrument has a good appearance, though the case, with its carved trusses, looks rather heavy. The tone is deep but metallic, and the touch will, no doubt, lose its roughness when the piano has been played on some time. Second award.

DÖRNER, Stuttgart, also exhibits an instrument of the generally accepted system—cast-iron skeleton frame, &c. This maker is progressing, on the whole; and although the tone of his piano might be more equal, the action, a check repeater, is well made and finished, and the touch fair. Second award.

DEBAIN, Paris, exhibits good pianos of the usual French type, and low in price. Third award.

ERARD (VVE.), Paris.—These instruments undoubtedly take high rank for artistic decoration, for few manufacturers have, like this firm, made the handsome exterior a speciality. The piano in the style of Louis XIV. is a marvel of artistic taste. Of the other four pianos exhibited, a grand oblique, of $7\frac{1}{4}$ octaves, was considered by the jury as deserving a first award for its full and even quality, the brilliancy of its tone, its perfect action, and the excellence of its touch. As in their grand piano, this instrument is entirely of wood, and without overstringing. First award.

ECKERMANN, Hamburg.—Instruments of the ordinary kind, with skeleton frame, wrest plank, covered with a brass plate. The tone is full in the treble, somewhat poor and metallic in the bass, and the breaks are distinguishable where the iron bars occur. The case is well made, as also the action, by Hermann. Second award.

ECKE, Berlin.—Overstrung piano, cast-iron frame; wooden wrest-plank, covered with a brass plate, for which there seems to be little utility. The action is by Lexow. The tone is subdued, and might be more even, and the bass is somewhat indistinct. Third award.

FÖRSTER, Lobau, shows a large instrument, in an architectural case that seems rather top-heavy. The tone is even, but not so full as might have been expected from such a large instrument, the quantity of wood used in the case no doubt preventing the vibration. The frame is in cast-iron, full-sized, and the strings are crossed. The action, by Hermann, could have been better applied, yet the touch is not disagreeable. Second award.

GEHRHARDT, Berlin.—Cheap instrument; good action, by Lexow. Third award.

GERSTENBERGER, Liegnitz.—Tall instrument, high frame, great length of string. Third award.

HERZ, H., Paris.—This maker exhibits some excellent upright pianos, of moderate price, the actions of which are carefully finished. The quality of the tone is remarkably sweet, clear, and brilliant. M. Herz is one of the French makers who have preferred securing solidity in the disposition of the wood to adopting the American system. Like all French instruments, the outward appearance of the cases is that of simplicity and neatness; nothing is sacrificed to show. First award.

HERZ, PH. (CANUT, MORITZ, ISER AND Co).—All these instruments are of wooden construction. The action is simplified, the tone sweet and mellow, but the upper notes lack brilliancy. What these instruments lack in power they possess in the delicacy and lightness of the touch. French makers, as a rule, have always preferred to soften down the tones of their instruments rather than go to the other extreme. The instruments are solidly constructed, and the same improvement in the isolation of the sounding-board, introduced in the firm's grand pianos, is also employed here. First award.

HUNDT AND SON, Stuttgart, have an overstrung piano. The case in black, or what is termed "early English" style, is neat. The instrument is not so large or high as those of most German makers; the tone is good, but there seems to be an excessive use of metal, which materially interferes with the vibration. The action, by Keller, is excellent. Second award.

HÖLLING AND SPANGENBERG, Zeitz, have a very neatly made instrument, of fair tone and touch; the action is well finished, and the general appearance good. Second award.

IVORY AND SONS, London.—Bichord and trichord instruments. The cases, in mahogany, veneered with walnut, are solidly constructed. Third award.

IBACH, Barmen.—Very tall instrument, of powerful but metallic tone in the bass, and inferior in the treble. The touch is fair, and the cases elegant. Third award.

IRMLER exhibits a piano of fair touch and good double action. The piano is made on the American system. Second award.

KANHAUSER, Stuttgart.—Iron piano of the ordinary average kind. Third award.

KNAKE, Münster, shows an ordinary piano. The case is fine, but the action and touch are not equal to other instruments that have gained this firm their reputation. Third award.

KUHLA, Berlin.—Well-made iron instrument. Third award.

LINDNER UND SOHN show progress in the construction of their piano, which is of fair average tone and touch. The system of double bolts is specially commendable. First award.

MAND, Coblenz.—This instrument has very clear upper tones, a good bass, and an evenness throughout. The action, made by Hermann, has precision, and facilitates the touch. The American overstrung system and a cast-iron skeleton frame, with four bars, is employed, wrest plank of wood, agraffes, &c. It is altogether a well-made instrument. First award.

MAYER, Munich, exhibits a piano of average merit. Second award.

MOLA, Turin.—Cheap instrument; straight trichord, with French action. Third award.

NEUFELD, Berlin.—Tall, overstrung piano; cast-iron plate; Hermann action. Third award.

NEUMANN, Hamburg.—The high piano of this make gives a great length of string to the bass, but it has not improved their tone to the extent that could have been expected. Power is obtainable, but at the expense of sweetness. The frame, of very strong cast-iron, has a wooden bridge let into it, and the sounding-board is kept independent of it. The action is by Isermann. Third award.

PFAFFE, Berlin.—This is a cheap piano, with Hermann action. The skeleton frame in cast-iron covers the wrest plank, but leaves several openings for the wrest pins. The soft pedal raises the hammers, and shortens their distance from the strings by nearly one-half; and the hopper, striking the string with diminished force, produces a softer tone. In M. Pfaffe's piano the hopper makes a noise when falling back on the wooden bar. The tone of this overstrung system is better than its touch. It has not, however, kept in tune well. Third award.

QUANDT, Berlin.—Iron piano, of the ordinary kind, Bermann action. Third award.

ROESLER, Turin.—Trichord instrument, similar to Mola's. Third award.

RÖMHILDT, Weimar, who, though established in 1845, never exhibited in any European Exhibition, exhibits a piano the sound-board of which is solidly constructed with several wood crossings, independent of the cast-iron frame. A system of air resonant chambers has been introduced in front of the strings below the action, and repeated behind the instrument, but it has very little, if any, effect, and the jury could not ascertain its positive utility. Third award.

RUCH, Paris, exhibits two pianos—one in walnut; the other in pearwood, stained in imitation of ebony, and in the Louis XIII. style. The strings are half oblique. The tone is of fair average quality, the upper notes somewhat woody, but the construction of the instrument is good and the price low. The action is by Schwander. Second award.

ROSENKRANZ.—This old firm has a good and cheap piano, on the overstrung principle. A full-sized cast-iron frame, covering the wrest plank, is used, being different to most of the German manufacturers, who have abandoned it, and content themselves with the ordinary wood wrest plank resting on the smaller

and lighter skeleton frame. The action of this piano is good ; the tone and the touch are fair. Second award.

SCHIEDMAYER AND SONS.—The cottage piano of this firm is a large overstrung instrument of good appearance and elaborate finish. The tone is mellow and regular throughout, the action well made, and the touch agreeable and elastic. A cast-iron skeleton frame is employed. First award.

SCHEEL, Cassel.—Large instrument, of superior make, excellent quality of tone, and agreeable touch. The frame is in wrought-iron, which has an advantage over cast-iron, that it offers greater resistance to the tension of the strings, and is not so brittle. The action, both glued and screwed in all essential parts, and united to the keys, is tolerably well finished. First award.

SCHWECHTEN, Berlin.—This firm exhibits a piano which is solidly and well constructed. The tone is clear and sweet in the uppers, and the bass very powerful. The action, by Isermann, of Hamburg, is a very fast repeater, and of great flexibility. First award.

SCHILLING, Stuttgart.—Overstrung piano, of full tone and good construction. Second award.

SOUFLETO, Paris.—Exhibit an upright piano strung on a new system. The plan resembling an inverted fan, the bass strings obliquing to the left and the upper strings to the right ; this necessitates an outward case considerably broader than those of ordinary pianos, and it is less elegant. The construction is solid, and the action is exceedingly well finished. The tone is clear, but has not that full, deep power of the German instruments. Second award.

SCHAKE, Hanover.—High and large instrument. Cast-iron skeleton frame, with side uprights, to give additional support to the wrest plank ; overstrung ; tone, very fair in the medium. Third award.

SCHMIDT, Berlin.—Overstrung iron piano. The action by Hermann is good ; the tone and touch are fair. Third award.

TROST.—This is the only Swiss maker exhibiting. Mr. Trost has adopted the American system, cast-steel frame and overstringing. The action is German, and well made ; the quality of tone, of the usual deep metallic kind, is full, and not without sweetness ; the cases are solidly constructed, and altogether this firm sustains its character as being one of the best in Switzerland. First award.

THIBOUT (VVE), Paris, exhibits a good instrument, with iron frame. The tone is full and deep, and approaches the characteristics of the German instruments. The action is by Rohden, and the touch very fair. Second award.

TRAU BROTHERS.—Solidly constructed wooden instrument ; the only one of the kind in the German Court. Third award.

VAN HYFTE, Antwerp.—This instrument is well constructed. Fourth award.

WEATHERILL, Melbourne.—Instrument constructed of foreign materials, the case of colonial woods. The manufacture of pianos in Australia is yet in its infancy, but Mr. Weatherill has imparted a sweet tone to his instrument. Fourth award.

WESTERMAYER.—Piano of good tone and fair touch. The action, by Fisher, is made according to the system which the exhibitor has introduced in his grand pianos, already criticised. Repeats well. Third award.

ZEITTER AND WINKELMANN exhibit an instrument of very large and high dimensions ; the tone is deep, but metallic and uneven ; the touch is firm. A full-sized cast-iron frame occupies nearly the whole surface, though it does not cover the wrest plank. The system of regulating the action of the hoppers to produce soft tones is not an improvement, as it is likely soon to get out of order. In other respects the instrument is good. Second award.

ACCESSORIES.

GEHRLING, Paris.—Models of actions made by him, and used by different pianoforte manufacturers. These comprise all the different systems in use in France and Germany. They are well finished, and cheap. The felt hammers are generally mounted by Kneip, of Paris. First award.

CORBEEL, Paris, exhibits a very fine keyboard of limewood, the best to prevent warping; each key is covered with the finest quality of ivory, cut and shaped in one piece, and not in two, as is generally seen. The sides and front of each key are also lined with ivory, and a screw let into each side allows it to be regulated perfectly without the necessity of twisting or turning the key pins. First award.

ESTEVE, Paris.—Harmonium reeds of the ordinary kind, the broad reeds even extending to the upper CC of the four-foot tone, the curved reeds, and the *harpe eolienne*. All these different reeds are stamped out of hammered copper, and fastened by hand on to a cast brass framework; each reed is thus independent of the other. This is the system that is used by all the great harmonium makers—Alexandre, Mustel, Debain, &c., &c.—and has a great advantage over those made on the German principle—viz., several octaves of reeds, all fastened on one brass plate, that broken ones can be removed or replaced more easily; that glued over the pan chambers they vibrate more freely, without any loss of wind, and that the slightest deviation which may affect one reed does not necessarily affect the whole set. They are well curved and accurately voiced; those of the *harpe eolienne* are very fine and carefully tuned. First award.

CHURCH ORGANS, HARMONIUMS, AND AMERICAN ORGANS.

BARNETT SAMUEL AND SONS, London, exhibit harmoniums of powerful tone, the quality of which approaches more that of the Stuttgart make than the French. They are well suited for accompanying large numbers of voices. First award.

BURGER AND Co., Bayreuth, show a fine carved oak harmonium in an upright piano-case, having four sets of reeds, and the percussion action invented by Martin, of Paris; good quality of tone. There is also a smaller instrument, with two and a half sets of reeds, of fair tone. Second award.

DEBAIN AND Co., Paris, exhibit two instruments; one with five sets of reeds and knee *grand jeu*, another with only two and a half sets. The quality of these instruments is the same that has characterised this firm's make during the lifetime of M. Debain. Their tone is powerful—too powerful, perhaps. All the mechanical parts are exceedingly well made, and the construction is very solid. First award.

FULLER, Melbourne, exhibited an organ of very fair quality of tone; the jury were not, however, able to test it fully, owing to some defect in the wind chest. Fifth award.

MOLA, Turin, reedy-toned instrument, with percussion action. Third award.

PELOUBET, PELTON AND Co. have a variety of styles. One instrument, especially, with two keyboards and German pedals, appears well made, and has a handsome case; there are separate coupling pedals, and a blower at back, as in most instruments of the kind. Second award.

STEINMAYER, Dettingen.—Three small instruments, well made; the cases (panelled) are very solidly constructed; the tone is fair. Second award.

SMITH, Boston, has a good collection of organs, fair in construction and moderate in cost. The cases are elaborate. Although these instruments have the reedy quality of tone inherent to the American organ generally, the touch is agreeable, and they speak very freely. Mr. Smith is one of the makers who has upheld the high standard of this kind of instrument. First award.

TAYLOR AND FARLEY show a large number of organs of fair make. Second award.

BARREL-ORGANS, ORCHESTRIONS, AND PIANOS.

DEBAIN, Paris.—MECHANICAL PIANO.—This is the ordinary piano, on which is superposed a mechanism resembling the old hamoniphone, with pianoforte hammers attached, striking the strings according to the previously arranged annotated boards (planchettes), which are fitted on the top plate of the mechanism, and have the same effect as the barrel in other instruments when a handle is turned. When the piano is to be used alone, the mechanism can be raised by a simple contrivance, and the keys and ordinary action employed in the usual manner. Second award.

GAVIOLI, Paris, exhibits some small portable instruments that can be placed on a table or chair, and the quality is above the average. An instrument calling for special notice is a harmonium and barrel-organ combined, formed of the usual barrel mechanism, but with a keyboard and treadles added, so that it can be played either with the hands or by turning the handle. First award.

GIULIANO exhibits a mechanical piano. Third award.

HEINE.—The instrument of this maker is also a fine one. The tone is very fair; the workmanship and mechanism good. Second award.

IMHOF AND MUKLE.—ORCHESTRIONS.—The instrument exhibited by this firm possesses a good quality of tone, and there is precision in the attack of the notes, the wires opening the valves being well regulated. The barrel notation is tolerably correct, though one of the movements was taken rather slow; the mechanism is excellent. First award.

IVORY AND Co., London, have exhibited a piano with organ attachment, producing the effect of the "harmonicorde." It is the old form of Robinson's attachment modified, the organ or harmonium portion being on the suction principle. The quality of the organ is superior to that of the piano, but the utility of this combination must be doubted, because the effect is far from pleasing, and no music is ever written for it. No award.

MOLA, Turin.—In addition to the percussion harmonium already mentioned, this maker exhibits a small mechanical piano, but it was too much out of tune for the jury to decide on its merits as fairly as they could have wished. Fourth award.

BRUDER AND SONS.—This is a large instrument for hall or street use, very powerful in tone, well made. Second award.

MISCELLANEOUS INSTRUMENTS.

The RAJAH SOURENDRO MOHUN TAGORE, Calcutta, who contributed some interesting papers on Hindoo music to the Social Science Congress held in connection with the Exhibition, has forwarded for exhibition a large collection of the musical instruments, ancient and modern, of the Hindoos.

Hindoo instruments can be divided into four classes:—

1. With gut or wire strings—rubab, tumboora, sitar, sarungee, vina, ganoon, &c., played either with plectrums or the bow.
2. Covered with skin—mridung, dholkee, tublas, dakra, duph, nuggara, &c.
3. Percussion instruments—munjeera, zhanij, curtar, &c. (cymbals and castagnets belong to this class).
4. Wind instruments—surnar, banslee, torey, &c.

Nearly all these are represented in this collection.

In Europe, makers have become clever by dint of studying the laws that regulate the emission of sound. In India, on the contrary, the manufacture of instruments is left to cabinetmakers, who are generally ignorant of the simplest elements of music, and have no means of finding proper proportions. The drums are covered with sheepskin, new and unprepared. The neck and body of the sarungii

are often cut in one single piece ; the "belly" covered with skin, instead of thin wood. The flutes are mostly pieces of bamboo such as nature has formed them. Still, this collection is curious from many different points of view, and the instruments are finished in better style than many we have seen ; and the exhibitor is to be highly commended for having furnished such an interesting collection. The jury award honourable mention.

MAHARAJAH OF JOHOR, Straits Settlements.—Native drums and tambourines. Honourable mention.

VIOLINS AND OTHER STRING INSTRUMENTS.

BAILLY, P., Paris, exhibits two violins. One is a copy of Stradivarius, of excellent tone and good proportions, and well constructed. The other, which is superior to the first, is a copy of Maggini, very carefully made, well proportioned, and of rich and mellow tone. Second award.

BROWN, J., Melbourne.—Several violins exceedingly remarkable for finish. Third award.

BROWN, W. J., Melbourne.—An exceptional award was made to this exhibitor for the careful execution of repairs to a collection of instruments by great masters belonging to Mr. Reed. First award.

BEAR, R. L., Melbourne.—Well-made banjo. Third award.

DOW, W. H., Melbourne.—This maker shows two violins and a tenor of exceedingly creditable make. The tone is mellow and regular. First award.

DIENER, J., Graslitz.—Instrument of fair quality (violin). Third award.

GRANDINI, Paris, exhibit four violins of clear and powerful singing tone. One in particular was remarkably good for its low price. Others showed the same relative excellence. First award.

HUTTL, Vienna.—Instrument of fair quality (violin). Fourth award.

HAUGHTON, C., Melbourne.—Banjo of good make. Second award.

HAUGHTON, J. T., Melbourne.—Banjo of good make. Second award.

JAMES, J. W., Melbourne.—Copy of an Amati. Good construction and fair quality of tone. Second award.

LUTZ AND Co., Vienna.—Instrument of fair quality (violin). Fourth award.

LUTZ AND Co., Vienna.—Instrument of fair quality (guitar). First award.

MARRIOTT, J. W., Melbourne.—Banjo of good make and finish. Second award.

PEACOCK, T., Melbourne.—Five violins ; colonial woods have been used for the sides and back, and seem to be well adapted for the purpose. One of these instruments, in particular, has a pure, clear, and full tone. Second award.

PLACHT AND Co., Vienna.—Violin of good average quality, third award ; and for guitar of good make, second award.

TIEFENBRUNNER, Munich.—Violin of good quality. Second award.

WOLFF BROTHERS, Kreutznach, exhibit a very complete collection of string instruments—a quartette set of excellent make and clearness of tone, some mute violins, violas, &c. There were also specimens of copies of the great masters of great purity of tone. First award.

ZITHERS.

HASLWANTER, Munich.—Well made zither. Second award.

KIRCHNER BROTHERS, Vienna.—Zither, of good tone and well finished. First award.

KIENDL, Vienna.—Zither of good tone, well finished. First award.

TIEFENBRUNNER, Munich.—Well-made zither. Second award.

WOLFF BROTHERS, Kreutznach.—Well-made zither. Third award.

HARP.

ERARD (VVE.), Paris, are now almost the sole makers of Europe. The excellent finish of the handsome instrument they have exhibited is most remarkable; the mechanism approaches perfection, the ornamentation is simple and elegant in the extreme. First award.

WOOD INSTRUMENTS.

BESSON, of London.—This firm, also established in Paris, is of French foundation, and shows some well-turned flutes, clarionets, and bassoons, of excellent quality of tone. First award.

BREINL, Graslitz.—Flute of good average quality. Second award.

GRANDINI-GERONIMO, Paris, already mentioned above, have a very fine exhibit of fluted clarionets and fifes, exceedingly well finished, pure in tone, and moderate in cost. First award.

JOMSCHICK, Berlin.—Clarionet of good make and tone. Second award.

LECOMTE, Paris.—In addition to an excellent silver flute of tolerably mellow tone, this maker shows some clarionets equal in finish and pure in tone as those of any other maker. First award.

LUTZ AND Co., Vienna.—Well-made clarionet. Fourth award.

PELLITTI, Milan.—Excellent exhibit of flutes, clarionets, and oboes. A flute in F attracted the attention of the jury in particular. First award.

RUGGERO, Naples.—Excellent clarionets and bassoons. Second award.

UHLMANN, Vienna.—Clarionet of pure tone, good make. First award.

WALLIS, J., London.—Good collection of flutes, clarionets, and fifes, of excellent make. Second award.

BRASS INSTRUMENTS, &c.

ABATTE, Naples.—Complete set of brass instruments, of good quality of tone. First award.

BARNETT SAMUEL AND SONS, London.—Metal fifes and flageolets, nickelled. Second award.

BESSON, London and Paris, exhibits a complete set of brass instruments of most excellent make. All the instruments are pure in tone and well finished. First award.

FUCHS, D., Vienna.—Complete set of brass instruments, good finish, excellent quality of tone. First award.

HUTTL, Vienna.—Complete set of brass instruments, excellent quality of tone and finish. First award.

LUTZ AND Co., Vienna.—Complete set of brass instruments, well made, and of good quality of tone. First award.

LECOMTE AND Co., Paris.—Complete set of brass instruments. Excellent construction, purity of tone, and clearness. First award.

PLACHT AND Co., Vienna.—Complete set of brass instruments, well made, good tone. First award.

PELLITTI, Milan.—Complete set of brass instruments, of good quality of tone. First award.

SANTUCCI, Verona, shows cornets and baritones of good quality of tone and good workmanship. First award.

TOMSCHIK, Brünn, exhibits cornets and trumpets of excellent tone. Second award.

UHLMANN, L., Vienna.—Complete set of brass instruments of excellent make and finish, good quality of tone. First award.

INSTRUMENTS OF PERCUSSION.

PLACHT AND Co., Vienna.—Big drum, cymbals, side drum, well made. First award.

ROSATI, Pistoia (Italy).—Cymbals. First award.

MUSICAL BOXES.

The exhibits of some of the most noted makers have been grouped into a collective exhibit in the same manner as the Swiss makers have done with their watches and exhibits of jewellery; Messrs. Bremond, Conchon, Langdorff, Metert, Petite and Co., Mittendorff, Nicole Frères, Perrelet and Co., being awarded collectively for quality of tone and good construction, First award; and for special improvements in mechanism, First award.

HELLER, Berne.—Musical boxes of good quality. First award.

VIOLIN AND OTHER STRINGS.

BARNETT SAMUEL AND SONS, London.—For strings made of colonial gut. First award.

GRANDINI-GERONIMO, Paris.—Good violin and violoncello strings in silk and gut. Second award.

KIRCHNER, Vienna.—Good zither strings. First award.

PLACHT AND Co., Vienna.—Good collection of strings. Second award.

RUFFINI, Naples.—Excellent quality of strings. First award.

TREVISAN, Bassano.—Collection of good violin strings. Second award.

OCARINA.

FIEHN, Vienna, who introduced Metzcullini's invention into Germany, has a good show of various sizes. Second award.

BAGPIPES.

GLEN, J. AND R., Edinburgh, show the best-finished bagpipes, and of good resonance. Second award.

GILMORE, R., Melbourne.—Good instrument, of colonial woods. Second award.

SIMPSON, A., Southland.—Colonial wood bagpipes. Fourth award.

For the Jury,

L. MOONEN.

JURY SECTION VII.

Class 14.—Medicine, Hygiene, and Public Relief.

JURY.

Dr. Robertson, Chairman, Victoria.
A. Roberts, Great Britain.
Dr. Jamieson ,,
Dr. Woinarski, Austria.

Dr. Renzio, Italy.
Dr. Magnin, France.
Dr. Gray, Victoria.
Dr. Girdlestone, Victoria.

SUB-JURY FOR DISINFECTANTS.

Dr. Jamieson.
Dr. Magnin.
M. Benies.

J. Kruse.
Expert—G. Manley Hopwood, F.C.S.,
F.I.C., &c.

EXPERTS APPOINTED TO CONSIDER APPEALS.

Dr. Forster

Dr. Maloney.
G. Manley Hopwood, F.C.S., F.I.C., &c.

R. T. Danson.

We, the abovenamed jurors, report for the information of the Executive of the Melbourne International Exhibition, 1880-81, that we have examined the exhibits shown under Class 14, and that we have classified such as merit recognition for their inherent and comparative qualifications.

For the Jury,

JAMES ROBERTSON.

JURY SECTION VIII.

Class 15.—Mathematical and Philosophical Instruments.

Class 23.—Cutlery.

Class 26.—Clocks and Watches.

JURY.

R. L. J. Ellery, F.R.S., F.R.A.S., Chairman,
Great Britain.
E. J. White, F.R.A.S., Great Britain.
J. R. Porter, D.D.S., United States.
C. M. Rosenthal, Austria.
C. Moerlin, Germany.
F. Huguenin, France.
Lieut. D'Amora, Italy.
I. P. Villanis ,, (substitute).

Alexis Favre, Switzerland.
W. C. Kernot, M.A., C.E., Victoria.
W. Kahan ,,
J. Macfarlane ,,
C. W. Maclean ,,
F. J. Pirani, M.A., C.E. ,,
R. E. Josephs ,,
John Munro ,,
Joshua A. Kay ,,

EXPERT APPOINTED TO ASSIST THE JURY IN CLASS 23, AND TO CONSIDER APPEALS AGAINST
JURY DECISIONS.

E. Morey.

The jury have now the honour to submit their report of the exhibits that have come under their review, and of the awards that have been made:—

CLASS 15.—MATHEMATICAL AND PHILOSOPHICAL APPARATUS.

This class was very well represented in the Exhibition, especially in the German, French, British, and Victorian Courts; and interesting exhibits of mathematical instruments were to be found in almost all the foreign courts.

Germany showed a fine collection of surveying instruments, from the highest class geodetic theodolite to the smallest mining theodolites and compasses.

Ordinary forms of theodolites and levels, of excellent workmanship, were shown largely in the British Court, and also in those of France, the Netherlands, and Victoria.

The exhibits are referred to below in the order in which they were examined.

KRAFT AND SOHN, Vienna.—An exhibit of well-made and superior drawing instruments for technical, mechanical, and mathematical purposes. The designs were found good and practical. Prices very moderate. Third award.

MOULY, J. V., Brussels.—Anemometer, or apparatus for measuring the velocity of wind, air drafts in mines, ventilators, &c.; well made, but presenting no novel features. No award.

ARROUIT, L., Paris.—Aneroid barometers, with metric graduation; very superior and well-constructed instruments. Fourth award.

BALBRECK, AINE, Paris.—This was an exhibit of levels, sextants, and a small transit instrument. All the instruments were excellently made and well designed. The transit instrument of about two and a-half inches aperture was fitted with a well-divided circle, and was conveniently mounted. Second award.

BERNADAC-DOMINIQUE, J. B., Paris.—An exhibit of spectacles and spectacle lenses of various grades of workmanship. Prices remarkably low. No award.

COLLOT, A., Paris, exhibited standard measures of capacity, weighing balances and weights. All of these were made on the metric system, very substantial, and workmanship fair. Fourth award.

EXUPERE, L., Paris.—This was a small exhibit of very cheap scales and weights for druggists, dispensing chemists, jewellers, &c., somewhat crude in form. Fifth award.

GUICHARD, S., AND Co., Paris.—This was an important exhibit of aneroid barometers and manometers, or pressure gauges of various forms and for varied uses. Among them was some delicate manometric apparatus, by which the depth of water in tanks and reservoirs is indicated on dials in the offices of factories. Third award.

HARDY, E., Paris.—The jurors examined a portion only of this exhibit—namely, a gyroscope and anemometer. These were excellently made, and of good design. Fourth award.

HERVE-CUON, Paris.—This exhibit was one of clocks, with aneroid barometers and thermometers attached. For award, see Report, Class 26.

ISELI, R., Paris.—A very good exhibit of barometers, thermometers, levels, and other mathematical instruments. The meteorological instruments were not of the highest class, but moderate in price. The surveying instruments were very well made, of a good design. Optical parts excellent. Fourth award.

LEMAIRE, A., Paris.—A very fine collection of opera and field glasses of all kinds, and binocular telescopes. All these were of a high order of merit, and among them were opera glasses of beautiful design and finish. The optical qualities of all that were tried were found unexceptionable. First award.

MARTIN, A., Morez, Jura, France.—An exhibit of spectacles and lenses of every description. Very economical in price. Third award.

MORET, BAILLY, AINE, Paris.—An important exhibit of spectacles and lenses. Prices extremely moderate. Third award.

NAUDET AND CIE., Paris.—The aneroid and holosteric barometers in this exhibit were excellent, and moderate in price. Some were graduated on the metric system. Second award.

PIFRE, A., Paris.—This exhibit was a simple apparatus for reflecting the rays of the sun on a blackened vessel, and illustrating the utilisation of solar heat. It consisted of a hollow conical reflector, in the centre of which was placed a vessel to hold

water or other fluids. When the hollow cone is presented to the sun's direct rays they are reflected in a condensed form on the vessel, which soon becomes heated sufficiently to boil water within it. No award.

RADIGUET ET FILS, Paris.—Parallel and optical glass, of various kinds, such as that used for mirrors, sextants, and philosophical apparatus. Surfaces very true and well polished. Third award.

REDIER AND Co., Paris.—An exhibit of very superior aneroid barometers, with racked sector movements. Workmanship excellent, and prices very moderate. Third award.

VUILLET, C., Morey, Jura, France.—Spectacles of various qualities and descriptions, and very low in price. The lenses were well finished, and the frames strong and durable. Third award.

BERNADAC AND CROISE.—A similar exhibit to the above. Fifth award.

SOCIETE DES LUNETTIERS, Paris.—This was a somewhat extensive and varied exhibit of spectacles, optical apparatus, drawing and other mathematical instruments, levels, &c. The jurors especially commend this exhibit for the very economical production of excellently made apparatus and instruments of all kinds. First award.

FEIL ET FILS, Paris.—This was a somewhat unique exhibit of homogeneous optical glass from these well-known makers in blocks and discs for prisms, telescopic object-glasses, and other scientific purposes. Some of the blocks exhibited were of extraordinary density, and of a very high refracting power. Those intended for telescopic object-glasses were of wonderful purity and uniformity of density. First award.

BAMBERG, K., Berlin.—A very good exhibit of a few well-made optical instruments, theodolites, levels, and compasses. These instruments generally were of a good practical form, moderate in price, and well finished. Second award.

WANSCHAFF, J., Berlin.—This exhibit consisted of two or three sextants (prismatic) and some fluid binnacle compasses; all excellently made, of good design, and well finished. Third award.

MEISSNER, A., Berlin.—A high-class exhibit of levels, theodolites, sextants, prismatic circle and sextant stand. The levels had all azimuth motions and a novel mode of vertical adjustment. The graduation of the sextants and theodolites was especially good and clear. The sextant stand is of a peculiar and somewhat complicated construction; it is intended for use in determining the eccentric errors of sextants, and is similar to the stands used for this purpose at the Seamen's School, Hamburg. Both the design and workmanship was highly commended. Third award.

HARTNACK, Dr., Potsdam.—This was an exhibit of three achromatic microscopes and accessories from this well-known and celebrated maker. The optical portions of these instruments were of the highest order of merit. The stands were well made and finished; the forms, however, although strong and steady, were somewhat clumsy. First award.

SCHIECK, F. W., Berlin, exhibited six microscopes of good construction. The optical parts were excellent, and the price of the apparatus very moderate. Third award.

SCHMIDT AND HANSCH, Berlin.—An exhibit of a saccharometer, spectrum apparatus, microscope, &c. These instruments, both in the optical and mechanical parts, were very well constructed and finished. The cost moderate. Second award.

DÖRFFEL, P., Berlin.—Some drawing and physical instruments, of good construction. Fourth award.

STUCKRADT, P., Berlin.—An exhibit of a series of standard weights in platinum and gun metal, from a milligramme to twenty kilogrammes. The weights were good in form, and admirably finished. Second award.

REIMANN, L., Berlin.—A small exhibit of cheap and excellently made chemical balances. Second award.

PICHT GEBR. AND Co., Rathenow.—This was a very important exhibit of opera glasses, spectacles, lenses, and optical material. The prices were moderate, and optical work good. Second award.

STOLLNREUTHER AND SOHN, Munich.—An exhibit of a peculiar kind of portable balance of the steelyard form, and of standard weights, of excellent construction, intended for the use of inspectors of weights. The weights ranged from one gramme to twenty kilogrammes ; also a set of crystal weights. Second award.

BREITHAUP AND SOHN, Cassel.—This well-known firm exhibited specimens of their theodolites, levels, and other surveying and measuring apparatus, all of first-class construction and workmanship, and reasonable in price. The most important item was a large astronomical theodolite, of beautiful design, and requisite construction in all its details. A mechanical mode of reversing the telescope and horizontal axis in its bearings, as well as the perfection of the graduation of the circles, was much commended by the jury. First award.

FENNEL, O., Cassel.—This was an exhibit of six instruments, comprising a theodolite, a tachymeter, compasses, and levels. They were all of the German form, well made, convenient for use, and economical in price. Third award.

HAHN, A. AND R., Cassel, exhibited repeating theodolites, compass, sextant, &c., of very good design, and excellently made. There were several new features in these instruments to facilitate their adjustments and use ; a peculiar form of micrometer, engraved on glass, for facilitating accurate and rapid reading of the graduated circles, also attracted the attention of the jury, and was much commended. Third award.

MITTELSTRASS GEBR., Magdeburg, showed a small exhibit of cheap apparatus, consisting of a sciopticon and a case of drawing instruments. Fourth award.

OTT AND CORADI, Kempten.—Exhibited some excellent mathematical and surveying instruments, presenting some novel features in the adjustments and in the stands. They also exhibited one or two forms of polar planimeter, pantograph, and elliptograph. Most of these instruments were of good design and excellent construction, more especially in the case of the levels and theodolites. Second award.

RICHTER AND Co., Chemnitz.—This firm exhibited a number of cases of drawing and mathematical instruments of excellent design, and presenting several novelties. A form of drawing pen with sapphire points, and a very peculiar and useful form of dotting pen, were especially noticed by jury. The prices were also very moderate. Second award.

RIEFLER, K., Munich, exhibited a number of cases of drawing and mathematical instruments of somewhat novel design, beautifully finished, and very perfect in all the details. The joints and modes of fitting adopted were much commended. The prices also for such high-class instruments were considered very moderate. Second award.

VOIGTLANDER AND Co., Brunswick.—This branch of the well-known firm of opticians exhibited a number of excellent binocular and ordinary telescopes. The optical parts of these were of the highest order of merit, and scarcely to be excelled in brilliancy and definition. The cases were principally in plain black leather ; some of them are constructed of aluminium, and therefore very light and convenient for use. The prices, however, were considered by the jury to be rather high. Second award.

ELSTER, S., Berlin.—An exhibit of standard measure of very good construction. Fourth award.

CESANA GIACOMO, Milan.—A small exhibit of drawing instruments of ordinary form. Fifth award.

D'AMICO, ANDRONICO G.—A form of what is commonly known as the chromograph. No award.

GIUSTI, A., Venice.—An enlarging lens of considerable dimensions, intended for condensing sun-light for photographic enlarging. The glass used had too much colour. Fifth award.

PONTI, C., Venice.—This was an exhibit of a megaloscope and a large binocular telescope, mounted in a somewhat unique style, but wanting in steadiness and optical excellence. Fifth award.

HOLSBOER, B., Arnheim. This was an exhibit of two excellent Y levels, with agate stud bearings, of very superior make and finish, and of good practical form. Also a fluviometer, with an electric attachment, arranged to ring a bell immediately the current vanes complete a certain number of revolutions. Third award.

KERN, J., Aarau.—A small exhibit of beautifully finished mathematical instruments by this well-known maker. The form of the instruments was of the ordinary type, and presented no novel features; the workmanship and design throughout were, however, very good. Third award.

JUVET AND Co., New York, exhibited some globes of novel construction, styled "Time Globes." They consist of well-made celestial and terrestrial globes furnished with interior clockwork, by which the diurnal rotation of the earth is represented. Second award.

AVERY, W. AND T., Birmingham.—In the extensive and important exhibit of this well-known firm were a number of chemical, assay, and other balances for scientific use. Among these were especially noted a peculiar balance styled "A Net Weighing Platform Machine," a set of inspector's standards for both weights and measures, and some excellent chemical balances, remarkable for the economy in cost combined with good design and workmanship. First award.

BARKER AND SONS, London, exhibited an excellent collection of compasses—ship, pocket, and prismatic—aneroids, surveying instruments, &c. These were all of good design, and well made, of very good quality, and extremely moderate in price. Second award.

BUSS, T. O., London.—A very good exhibit of metallic hydrometers and saccharometers, of the Sykes and allied forms. The workmanship in these instruments was unexceptionable. Third award.

DOLLOND AND Co., London.—This firm exhibited a few surveying instruments, such as theodolites, levels, &c., and some binoculars and hand telescopes; moderate in price and well made. They also showed a very fine astronomical telescope, of four inches aperture, mounted on a very neat and convenient equatorial mounting. The optical qualities of this instrument were tested and found excellent. Both the design and work in this telescope were much commended. Second award.

HARLING, W. H., London.—This maker exhibited a fine collection of high-class drawing, mathematical, and surveying instruments; economical in cost, and unexceptionable in workmanship. Third award.

HUSBANDS, H., Bristol.—An important exhibit of surveying instruments, microscopes, telescopes, &c. Some very well-made theodolites, of the Metford pattern, and levels of the Froude-Metford type, were shown. All excellently made, and presenting some novel features in appliances for adjustment, as well as convenient forms of known adaptations. Some first-class microscope stands, and very superior objectives, were also shown. There was a high class of workmanship apparent throughout this exhibit. First award.

RABONE, J., AND SONS, Birmingham.—An exhibit of steel tapes, rules, levels, &c.; well made, and low in price. Third award.

STANLEY, W. F., London.—An excellent exhibit of first-class drawing and mathematical instruments, comprising eidographs, pantographs. Collection of fluid colours, and all accessories for architect and survey draughtsmen, including several novelties

among the separate instruments. The scales were especially commended, and the instruments generally displayed the best workmanship and finish. Second award.

WOOD AND Co., Liverpool.—An exhibit of theodolites and levels of the ordinary form, very well made, and economical in price. Third award.

BARTON, R., Melbourne.—This was a very interesting exhibit of a peculiar dividing and ruling machine, originally invented and used for ruling fine lines on polished metallic surfaces, producing what is known as the “iridescent ornament,” used some years back for buttons, known at the time as “Barton’s buttons.” The apparatus, which has been in abeyance for a number of years, has been set up afresh by the exhibitor, who has worked out *de novo* the method of producing the iridescent ornament of which some beautiful examples are exhibited. The machine has also been fitted for engraving and ruling on glass, and some fine specimens of micrometers and minutely graduated tubes were also shown. First award.

CRISP, H., Ballarat.—A small exhibit of some electrical apparatus, such as induction coils, somewhat rough in construction. No award.

GAUNT, THOMAS, Melbourne.—This was a combination of three exhibits, forming a large and important display of various kinds of philosophical apparatus, including theodolites, levels, barometers, thermometers, microscopes, telescopes, and numerous specimens of chemical and philosophical appliances in glass. The workmanship throughout was very creditable, and furnishes a good example of the progress made in these branches of manufacture in the colonies. For microscopes, Fifth award; for survey instruments, Fourth award; for barometers, thermometers, &c., Fourth award.

JENNINGS, J., Melbourne.—An excellent exhibit of spectacles and eye-glasses of all forms. Fifth award.

RASCHE, W., Melbourne, exhibited a polar planimeter of Amsler’s form. No award.

TROWBRIDGE, J. F. AND E. F., Melbourne.—A case of microscopic slides, and objects very neatly mounted and labelled. No award.

WOOD, W., AND Co., Melbourne, exhibited an improved aneroid barometer, with a special indicator to show whether it is rising or falling; also, a binoptic prismatic lantern for producing dissolving views with one light, and very compact form of triple oxyhydrogen dissolving lantern, with convenient form of “dissolving gas taps,” by which the oxygen is turned off one lantern and on to another, leaving the hydrogen still burning. These lanterns were all excellently made, and the improvements referred to were very effective. Fourth award.

STOWE, L., Wellington, New Zealand, exhibited a very ingenious and cheap calculating machine, adapted only for adding numbers, for which purpose, after a little practice, it was very efficient. In calculations where numerous and long additions are required, this little apparatus will enable the work to be done with the minimum of fatigue. Fifth award.

WEABER, H., Brisbane.—A small collection of spectacles with frames and holders, manufactured by the exhibitor. The style and workmanship were both very good. Fifth award.

CLASS 23.—CUTLERY.

PIAULT, J., Paris.—This was a very fine exhibit of table cutlery of every description. The designs of the handles were excellent, especially those in ivory, which were most elegant and tasteful. The steel was found of the finest quality, with highly finished surface. Very moderate in price. First award.

BATISSE-DUMAS, Paris.—A small exhibit of cheap household cutlery. Good material, and well tempered; useful, and very low in price. Fourth award.

VITRY, A., Paris.—A collection of well-made scissors, moderate in price. Fourth award.

DITTERT, J. E., AND Co., Neustadt.—An exhibit of pocket knives of considerable merit, from the most complex to single-bladed. All well made and finely finished; material excellent. Fourth award.

HENCKELS, J. A., Solingen.—This was a fine collection of cutlery, of various kinds, principally of knives and scissors. The pocket cutlery especially commended. Second award.

ELBERFELDER JOINT EXHIBITS, Elberfeld.—A collection of various kinds of cutlery, the material of which was excellent. Third award.

LECOULTRE, J., Sentier, Switzerland.—A small exhibit of razors of a peculiar form. The blades were thin leaves of very fine steel, excellently tempered; these blades are in strong steel backs in handles, and to each handle several blades are fitted. The thinness of the blades renders grinding unnecessary. Third award.

NORTHFIELD KNIFE COMPANY, Connecticut.—This was a small exhibit of well-made, useful, and durable pocket knives, made of excellently tempered material. Third award.

BLYDE, J., Sheffield.—An important exhibit of assorted cutlery. The pocket knives and scissors particularly were of excellent design, quality, and finish. Third award.

EVANS AND WORMULL, London.—A small collection of well-made and finely-finished pocket knives, scissors, and table knives of a high class. Second award.

JOHNSON, CHRISTOPHER, AND Co., Sheffield.—This was a very fine and extensive exhibit of almost every form of cutlery. The great excellence of workmanship, degree of finish, and good material apparent throughout this exhibit, was much commended by the jury. First award.

READ, T., Birmingham.—A small exhibit of table knives, the steel blades of which are plated in a peculiar way, styled by the manufacturers "Arcanum plating." The knives have a nice appearance, proof against corrosion by the ordinary acids of fruit and other food, while they retain the keen edge of a steel blade. Second award.

YORRILL, R., AND SON, Sheffield.—A small exhibit of very excellent scissors, of tasteful design and exquisite finish. Third award.

RODGERS, JOSEPH, AND SONS, Limited, Sheffield.—A splendid exhibit of all kinds of cutlery of the highest excellence. The pocket and table cutlery was finished in a manner which the jurors considered could scarcely be excelled, and every portion of this extensive and varied exhibit was found to possess the same evidence of high-class manufacture. First award.

WARD, F., AND Co., Sheffield.—A capital exhibit of cutlery of various kinds, well made and finished, from the best material; good in design, and durable. Fourth award.

WOSTENHOLM, G., AND SON, Limited, Sheffield.—An exhibit of pocket, hunting, and table knives, scissors, razors, and table cutlery of very great excellence. The finish and quality of the material throughout was of the highest merit; the designs also were much commended by the jury. First award.

DODGE, J. AND R., Sheffield.—A portion of the exhibit of this firm consists of cutlery for the table, pocket, &c. It was found to be well made, strong, and of first-class material throughout. Third award.

MESSER-INDUSTRIE-EXPORT Co., Wsetin.—An exhibit of somewhat rough made cutlery, of very good material, and exceedingly low in price. Fifth award.

WHITE, J. B. AND T., Melbourne.—A small exhibit of very well-made sheep shears, of excellent material and very fair finish. Fourth award.

WRAGG, G., Melbourne.—A collection of butchers' and other knives, of a strong and durable description. Very fair finish. Fifth award.

CLASS 26.—CLOCKS AND WATCHES.

The exhibits in this class, which included watches, chronometers, and clocks of all kinds, were somewhat numerous, and many of them were found to be very extensive, and of very high order. The variety of the horological apparatus exhibited made it desirable to adopt a classification which, while it facilitated the determination of the awards, would also indicate more clearly to the public the various kinds of horological manufacture here placed before them.

The keen competition that has taken place at former exhibitions between different makers and different countries in the perfection and economy in the production of watches and chronometers has been repeated at this exhibition; and the jury at their first meetings made arrangements for obtaining the co-operation of the Observatory for carrying out a complete series of timing trials of any watches or chronometers that might be submitted by the exhibitors for such competition tests. The Government Astronomer having undertaken to have these trials made at the Observatory, the various exhibitors were informed accordingly, and between fifty and sixty watches and chronometers were sent for competition by eight exhibitors. A report by Mr. E. J. White of these trials, with the results, will be found at the end of this report.

As regards the horological exhibits generally, the jury were much struck with the great progress indicated, more especially in the economy of production, precision of workmanship, even in the cheaper forms, and in the great excellence combined with moderate cost of many of the highest-class productions. They also note with great satisfaction that very important progress in the Australian colonies, more especially in Victoria, is indicated by numerous and creditable specimens of workmanship in the Australian Courts; and in one class—viz., turret clocks—the colony of Victoria takes well-deservedly the only first award.

The largest exhibitors of watches were the American Watch Company, Waltham, Mass., U.S.A., and the Swiss State collective exhibit. Very important and high-class exhibits were sent by Nicole, Neilson and Co., of London; A. Lange and Söhne, Dresden; Baume and Co., Switzerland; Kilpatrick and Co., London; Buckney, London; Kullberg, London; Savoye Frères, France; Associated Manufacturers of Besançon, France, and others.

In clocks, France and Germany exhibited the most largely, and both countries were represented by an extensive display from numerous exhibitors of almost every variety of clock; Austria, also, had a very important exhibit; America exhibited a few calendar clocks only; while the Great Britain and Colonial Courts were remarkable for the absence of any but isolated exhibits of this class.

The inspection of the exhibits occupied the jury twenty-five meetings, extending over several weeks, the attendances at which were always full; and there were seldom more than two or three of the jurors absent at any meeting, and at many the whole number were present.

The classification adopted by the jury was as follows:—

1. Marine chronometers.
2. Pocket watches, ordinary, chronometer, and complicated, such as repeaters, chronographs, &c.
3. Turret clocks.
4. Astronomical regulators.
5. Regulator clocks.
6. French clocks.
7. German clocks.
8. Cuckoo and musical clocks.
9. Calendar clocks.
10. Miscellaneous exhibits of clocks, watches, and materials.

In judging the exhibits in this class each jurymen took notes at the inspection, giving marks under several pre-arranged heads—such as *workmanship, design, cost, &c.*—and after the examinations were completed each one gave in his marks for every exhibit he had inspected, and from the total number given in by the members of the jury, divided by the number of jurymen present at the examination, the award number was arrived at in each class, except in the cases of the marine chronometers and pocket watches submitted for trial at the Observatory, where certain numbers deduced from the result of the trials were added, and the awards made as a special class.

It will be noticed that, acting upon this decision, the number of first awards given in this class is limited to such exhibits as stand first in the combined inspection and test marks, and really possess higher value as compared with similar awards in other classes.

The exhibits examined and adjudicated upon by the jury in this section are here given, according to the classification adopted.

1.—MARINE CHRONOMETERS.

Only one exhibit of this class entered for competition—namely, Victor Kullberg. Mons. Rodanet, of Paris, exhibited one very excellent specimen; but as two others exhibited at Sydney were injured in transit, the one exhibited was withdrawn from competition. Thomas Gaunt, of Melbourne, exhibited a marine chronometer, made at his establishment, as a specimen of workmanship, but did not put it in competition as a time-keeper.

KULLBERG, VICTOR, London.—The marine chronometers here shown were of the highest order of merit, not only for originality—their special feature being the beautiful new compensated balance, the invention of the exhibitor—but for their good design and splendid workmanship. Three of these were submitted to the trial tests at the Observatory, and the results will be seen by reference to the tables in the appendix. First award.

2.—POCKET WATCHES AND CHRONOMETERS.

SWISS COLLECTIVITY EXHIBITION OF WATCHES.—To this collection thirty-two Swiss watch manufacturers contributed specimens of their work. It formed an extensive and splendid exhibit of all kinds of pocket watches, and contained specimens of nearly every kind made for the various markets of the world. Among them were found watches whose price at the factory is only a few shillings, as well as the most elaborate chronographic, calendar, and repeating watches; also specimens of the most minute as well as the largest ever made. A very large proportion of the work of these watches is made by machinery, except in the case of the more complicated forms; and some of the contributing firms have adopted a system of strictly uniform patterns and measures of parts, so as to secure what is known as “interchangeability”—that is, that similar parts of the same class of watch are so exactly alike that they can be changed from one watch to another. Although there were several kinds of escapement in this collection, the lever appears to be fast superseding all others, even among the Swiss manufacturers, who so long retained the horizontal form of escapement. In these watches what is known as the “straight line” form of lever escapement seemed to find most favour. It was claimed for this exhibit that the watches were low-priced, compared with their quality; and from inquiry the jury found the factory prices to compare very favourably with most of the other exhibits of this class. Several novelties of adaptation of recent improvements were noticed among this collection, more especially in connection with the chronographic and split seconds mechanism and stem-winding gear. There were some fine specimens of complicated watches in this exhibit; the mechanism

of the single, double, and other chronographs was considered by the jury to be specially good. Among such watches may be named some extremely complicated examples, perfect triumphs of fine workmanship, such as chronographs with perpetual calendar and phases of the moon; repeaters, striking hours and quarters, hours, quarters, and five minutes, and hours, quarters, and single minutes. The jury was much struck with the artistic designs of the ornamental cases of many of the higher class of watches, as well as the high finish and exquisite workmanship in the cases themselves generally. In the collection of watch material and parts of watches, the jury specially noticed a collection of balance springs of all forms—flat, cylindrical, spherical, overcoil, &c.—tempered so peculiarly that they did not lose their elasticity when heated almost to a dull red heat. Six watches from this exhibit were submitted to the timing tests at the Observatory, one of which took the first place among watches for time-keeping qualities. First award.

AMERICAN WATCH COMPANY, Waltham, Massachusetts.—This company showed a very extensive and splendid exhibit of pocket watches of various kinds—all, however, with the English lever form of escapement—with or without compensated balances, both key and stem winders, some of the higher grades being made with a new form of compensated balance, known as Woerd's, after the inventor, who is the mechanical superintendent of the factory. The jury noticed among these watches several points claiming attention—among them a special chronographic attachment, which is capable of being applied to any watch of the company's make of the fourteen size at a small cost; the chronographic seconds-hand works on a dial fixed at the back of the watch. The simplicity and apparent efficiency of this form commended itself to the members. They also noticed watches with water-tight and dust-proof cases, and several effective and improved forms of eccentric and micrometric regulators. The decoration of many of the cases was found worthy of note, especially as regards the engraving, enamelling, and chasing. The fine construction of cases styled "Bassine," with extremely accurate and dust-proof joints, was highly commended. The special features claimed by this exhibit were that in the manufacture of these watches every piece and part is made in the Waltham factory, that they are all perfectly interchangeable, and that machinery and instruments are used in the construction by which the utmost precision of form and size is absolutely obtained, whereby the company claim to produce a better performing watch at a lower price than in any other way. The jury carefully examined into these various points, and found the claims, as regards interchangeability, precision of form, &c., as well as economy of production, to be established. As regards performance, the trial tests at the Observatory furnish satisfactory evidence of their excellence in this respect. The exhibits of parts of watches, springs, &c., enabled the jury to form a very clear estimate of the finish, &c., of the various grades of these watches, and they found that while the parts of all the grades are the same in form and size, the degree of finish, exquisite and perfect in the first grades, diminishes gradually to the lower grades, where, however, the quicker moving and more delicate parts still retain an excellent practical finish. It is worthy of notice that in these watches—so far, at least, as the movements are concerned—there is a general and even quality throughout all the grades. Specimens of economical railway guards' watches were among this exhibit, which attracted the attention of the jury for their integrity of workmanship, finish, and apparent durability. The jury was much struck with the lowness of the factory prices of these watches compared with their high quality; and they also noted that the gold cases were all of 18-carat gold, and the silver of sterling quality. The advantages accruing from the adoption of a fixed and universal system of interchangeability of parts by a factory producing so many watches as this company appears to do, is of the greatest importance if carried out in its entirety; and although the system appears to have been in practice with some of the Continental makers, especially the Swiss, for some time past, it does not appear to have reached such a general

system as it has with the American Watch Company. The jurors were shown that all parts of watches made by this company can be obtained everywhere in a perfectly finished state, and ready to replace at very small cost any similar damaged or worn part in any Waltham watch. In consideration of these various points, and of the high place these watches took in the Observatory timing tests, the jury awarded to this exhibit a first award.

LANGE AND SOHNE, Glashutte, near Dresden.—This firm sent a small exhibit of their well-known and exquisitely made watches, comprising ordinary watches, chronographs, and repeaters, mostly stem-winders. A noticeable feature was the strength and smoothness of action in the stem-winding mechanism in these watches. The lever escapement is used throughout, with some noteworthy specialities in details of construction—for instance, balance staff without shoulders, a very simple repeating mechanism, and a good form of up-and-down indicator for going barrel. Many of the watches are made dust-proof by the use of a well-fitting dust ring. The jurors were highly pleased at the high finish, good design, and general integrity of the watches in this exhibit. Six of these watches were submitted for time-test at the Observatory, and, as will be seen by the appendix, performed excellently. Second award.

KILPATRICK AND Co., London.—This firm exhibited a small collection of fine English-made watches, both ordinary and complicated, of a high class, as well as a collection of cheap watches, manufactured by the English Watch Company. The latter were very low-priced, strong, and durable. The jurors' attention was especially attracted by a very high-class keyless chronograph, repeating hours, quarters, and minutes, of very great excellence and splendid finish. Four of the highest class watches of this exhibit were submitted to timing trials at the Observatory, the results of which will be seen in the appended report. Three of the cheap silver watches of the English Watch Company were also tested, but being uncompensated, and not very closely adjusted, their performance was not satisfactory. Second award.

BAUME AND Co., Geneva.—This was a large and important collection of watches of various kinds and high-class workmanship. Some chronograph watches in this collection were of great merit, and the stem-winding mechanism strong and safe. The jury noted some specialities in the centre second mechanism, in the construction of the joints of the cases, and in other details, which were highly approved of. Six of these watches were submitted to the Observatory timing trials, and gave excellent results, as will be seen by reference to the appendix. Third award.

NICOLE, NIELSEN AND Co., London.—This well-known firm exhibited a small but choice collection of pocket watches, both ordinary and complicated, consisting of chronographs, double and triple chronographs, perpetual, calendar, and other special forms, with complete sets of parts of watches in their several stages of manufacture. Among the chronographs was one styled "Triple chronograph," as it marks the time of two consecutive observations, and the interval elapsed between the first and third. The calendar watches were beautiful specimens of complicated work. The finish and general quality of these watches was highly commended by the jurors. Six watches from this exhibit were submitted for time tests at the Observatory, and the results are given in the appendix. Second award.

KULLBERG, VICTOR, London.—A small exhibit of very high-class watches, of exquisite workmanship. The points which most attracted the attention of the jury were the high finish and well-made and heavy compensation balances. The prices were, however, considered somewhat high. Three of these watches submitted for time test at the Observatory maintained the high reputation this exhibitor has obtained as a maker of marine chronometers. Third award.

BUCKNEY, D., London.—A fine collection of watches of various grades, pocket chronometers, chronographs, ordinary watches, railway guards' watches. In some of these watches, which were of the highest order of merit as regards finish and workmanship, were some points claiming originality, and well worthy of notice.

One of these is a very simple and good method of transposing the stem-winding from barrel to hands, and another an arrangement for preventing overbanking of the lever. The performance of six of these watches submitted to the timing tests at the Observatory is given in the appendix. Second award.

SAVOYE FRERES, Paris.—A collection of ordinary and complicated watches of very high merit in workmanship and design. As none of these watches were submitted for the time tests, the jury cannot report upon their actual performance. Fourth award.

BESANCON COLLECTIVE EXHIBIT, France.—This was a somewhat large and very interesting collection from the well-known factories at Besançon, in France, where a very complete horological college and training institution has been established. It was an excellent exhibit of watches of various forms, with movements and parts of watches and watch-making tools, the work of students in the institution. A marked tendency to adhere to old forms was, however, apparent in this exhibit, although the workmanship and finish in the best watches was of the highest class. Among the complicated watches were some independent centre watches with two trains, chronographs and repeaters characterised by most excellent workmanship. No watches from this collection were submitted for time test. Fourth award.

3. TURRET CLOCKS.

There were five exhibits of this class in the Exhibition—one in the Victorian Court, two in the German, and two in the Italian Court.

GAUNT, THOMAS, Melbourne.—This was a fine specimen of the new English form of turret clock (with Denison's gravity escapement), lately constructed for the Emerald Hill Town Hall. It comprised going and hour-striking part, with leading-off and striking gear, and has been utilised in the Exhibition for working a large dial in the main avenue, and striking the hours upon a large thirty-hundredweight bell. There was a new form of maintaining power mechanism in this clock, invented by its designer, Mr. C. W. Maclean, which is simple and safe, and transfers the exact weight power to the train while winding. The design and style of workmanship were excellent, combined with precise fitting and durability of all the parts. First award.

BEYES, F. A., Hildesheim, Germany.—Two excellent and well-made turret clocks, one with going, hour-striking, and quarter trains of the ordinary form, with Graham's dead-beat escapement; the other with going part only, with a peculiar form of remontoire. The workmanship and design were very good. Second award.

FONTANA, CESARE, Milan.—This exhibit was a three-part turret clock, of somewhat primitive design and fair workmanship. Fifth award.

SOMMARUGA, ISIDORO, Milan.—A two-part turret clock, indifferent both in design and workmanship. No award.

4. ASTRONOMICAL REGULATORS.

WHITE, W. J., Melbourne.—A well-made clock, with Denison's four-leg gravity escapement and mercurial pendulum, with iron jar and steel rod, going a month without winding. Fine steel wire is used instead of silk or catgut for the weight. The case, a very good one, was made of Australian wood—viz., blackwood and Huon pine. Second award.

5. REGULATOR CLOCKS.

LAZARUS UND ROSENFELD, Gablonz, Bohemia.—This exhibit consisted of clocks with long pendulums, known as Vienna or German regulators. They were excellently made, of good design, and very economical in price. Second award.

BECKER, GUSTAV, Freiburg.—A collection of clocks of various forms. The long pendulum wall clocks, or regulators, were especially tasteful in design, the movements excellent, and well finished. The prices were very moderate. Second award.

6. FRENCH CLOCKS.

There were thirteen exhibits in this class, all in the French Court, and they formed a grand collection of all varieties and grades of this kind of clock.

BROCOT, P., Paris.—This well-known maker exhibited an excellent collection of clocks, both simple and complicated. Among the latter were chime clocks, perpetual calendar clocks, &c. The designs were most artistic, and workmanship of the first class. All these clocks had the Brocot patent suspension of the pendulum. First award. To a second exhibit of special complicated clocks, of very high class, the jury gave a third award.

RODANET, A. H., Paris.—This exhibit contained a marine chronometer, made by the exhibitor (who is chronometer-maker to the French navy), but not entered for competition, and several forms of clocks of excellent style and work. Third award.

GAY, LAMAILLE AND Co., Paris.—Marble, bronze, and gilt clocks, alarums, and repeaters. A very extensive exhibit of various forms of high-class French clocks. The movements were all of the usual French form, and well made. The principal feature of this exhibit was the great variety of marble and metal cases in which the works were placed, and the good design apparent throughout. The prices were also very moderate. The jury noticed in some of the carriage clocks a simple, ingenious contrivance for preventing the star-wheel being jerked out of position while striking when travelling, the invention of the exhibitors, which is commended for its simplicity and effectiveness; and also, in the case of heavy clocks, a very simple and useful arrangement for starting the pendulum, which the exhibitors style a pendulum starter. Second award.

QUINET AND RICHARD, Paris.—This was an exhibit principally of carriage clocks, of which there was a somewhat large and important display, all of exquisite finish, good design, and moderate in cost. Third award.

DIETTE, FILS AND HOUR, Paris.—An important and miscellaneous exhibit of carriage and other clocks, alarums, &c.; very good design and finish, and low in price. Third award.

REDIER AND Co., Paris.—Among the miscellaneous exhibit of this well-known firm there were a number of excellent clocks of various description and design, excellently made, and moderate in price. Third award.

ROLEZ, J., Paris.—A collection of marble clocks, very moderate in cost and well made. Third award.

HERVE-CUON, Paris.—A collection of clocks, combined with aneroid barometers, thermometers, &c. Among them some very novel designs, with high-class workmanship and finish. Third award.

MERCERY AND JUSSY, Paris.—This exhibit showed the application of porcelain and china decorations in clock cases. Fourth award.

BOREL, F., Paris.—An exhibit of very cheap portable and marine clocks, night clocks, &c., with interchangeable parts. Fourth award.

JAPY FRERES AND Co., Paris.—This exhibit was from a firm who manufacture rough work for other clock makers, and was interesting in showing how cheaply moderately good clocks and watches can be made. Fifth award.

SAUTEUR, LABITTE, Paris; E. DESSIAUX, Paris; E. GUIGNON, Paris.—These were three exhibits of the cheapest form of French drum clocks, useful and durable. Fifth award.

7. GERMAN CLOCKS.

In this class were included clocks not only of the usual German forms, but also the American form of clock manufactured in Germany, of which there were some large exhibits.

LAUTER, A., Carlsruhe.—This was an exhibit of clocks in artistically designed cases of inlaid work, in metal and wood; the movements themselves were not made by the exhibitor, but were from the best firms in Germany. Second award.

JUNGHANS GEBR., Wurtemberg.—A large exhibit of clocks, made by machinery on the American system. The movements were strongly and well made, and the cases, quite after the American style, well finished. The factory prices were very low. Second award.

WINTERHALDER AND HOFMEIER, Schwärzenbach.—This was an exhibit of excellent clocks of the German form, both with long and short pendulums, in handsome cases, and with well-finished works. Third award.

HAAS, JULIUS, Wurtemberg.—This was also an exhibit of clocks made on the American form; all the movements well and strongly made; cases well finished, of the usual forms; cost very moderate. Fourth award.

SCHWER, AUGUST, Tryberg.—An exhibit of cabinet clocks, regulators, works for fancy clocks, and miniature clocks. Both the movements and cases of all these are well designed and finished. Fourth award.

8. CUCKOO AND MUSICAL CLOCKS.

WEHRLE AND Co., Furtwangen.—These clocks were well made, with elaborately carved cases. The movements good and fairly finished, and the musical parts very perfect. Third award.

HETTICH, GORDIAN, Furtwangen.—Four cuckoo and bird clocks, good in every respect, and low in price. Third award.

BOMTEMS, B., Paris.—Two clocks with mechanical singing birds attached. This firm is well known for the manufacture of the singing bird mechanism rather than of clocks, which appeared here only as an adjunct to the musical machine. Third award.

MAURER AND HÖFLER, Eisenbach.—The chief features in this exhibit were a clock with musical-box chimes, and one or two cuckoo clocks. The cases were very well and tastefully made, but the works of the ordinary type. Fourth award.

9. CALENDAR CLOCKS.

ITHACA CALENDAR CLOCK COMPANY, Ithaca, New York.—A collection of calendar clocks made in the American clock style. The clocks themselves were good ordinary American clocks, with the calendar mechanism, which is very simple, and so arranged as to require the minimum amount of power from the clock for its operation. Provision is made for leap years; cost very moderate. Second award.

10. MISCELLANEOUS.

THOMAS GAUNT, Melbourne.—A miscellaneous but important exhibit, illustrative of the stage at which clock and watch making had arrived in Melbourne. Some excellent hall quarter clocks and marine timepieces were shown with first-class workmanship. An excellently finished marine chronometer, a lever watch, and parts of watches were also exhibited, as well as several watch cases in different stages of manufacture. There was also a capital specimen of a railway station clock, well made and durable. This exhibitor also showed a novel piece of horological work, a racing chronograph clock invented by himself; it had a three-feet dial showing ordinary time, and a centre seconds hand, moving by steps of quarters of a second, which can be started and stopped by an electric current. The jurors highly commended the whole of this exhibit. Second award.

SCHAFFER AND BUDENBERG, Manchester.—A portable watchman's chronographic clock; each time an appropriate key is inserted, a register is made on a revolving paper disc; it is intended that the requisite keys should be kept in various parts

of an establishment where a watchman is required to visit, so that a record of the time of his visit is made by inserting the key. Third award.

BRADLEY AND HUBBARD MANUFACTURING Co., Connecticut.—Travellers' clocks. Fourth award.

WURTTENBERGISCHE UHRENFABRIK, Schwenningen.—An exhibit of recording clock for railway trains, showing time of starting and stopping trains; also forms of Burk's watchman's chronographic clock. Fourth award.

DENIS BROS., Melbourne.—A watchman's, or tell-tale clock, of peculiar construction, designed by the exhibitors, and two lever watches made in their establishment, which the jury found to be of very creditable workmanship and finish. Fourth award.

MEYERS, W., Melbourne.—A clock with chronometer escapement and compensated balance, striking hours and quarters; well and substantially made, a very fair specimen of clockwork. Fourth award.

Among various exhibits examined by the jurors, but for which they have given no award, the two following are especially worthy of notice.

WATERBURG WATCH COMPANY.—A very cheap form of watch of simple construction, with duplex escapement, and stem winding. The factory price is about seven shillings.

TAMAN, A., Brussels.—A central regulator clock for controlling subsidiary dials, for railways.

The jury also desire to record the following exhibits, for which no award has been given, but which are deserving of mention.

MAUDSLEY, J., Geelong.—Model of proposed new form of compensation for chronometer balance.

BOSCH, G., Melbourne.—Lever watch movement, stated to be the first made in Melbourne.

THICHTENER, H., Melbourne.—Skeleton clocks and cases.

SOLOMON, SOLOMON, Melbourne.—Improved escapement for carriage clocks, which obviates the use of a coutrate wheel to change direction of motion in escapement.

ROBT. L. J. ELLERY, *Chairman Jury 8.*

The following statement as to the mode of testing the watches sent to the Observatory has been drawn up by Mr. White, the chief assistant, for information of Jury 8 :—

"The watches were received at the Observatory on December the 8th, 9th, and 10th; at this last date they were all placed in the rack, and the first comparison was made on the 11th, at ten a.m. The chamber selected for the trials was the standard bar-room in the basement of the Observatory, which, from its equable temperature, and freedom from both dust and damp, was exactly suited for the purpose. For holding the watches in a vertical position a board was fixed to the inner wall of the room; this was covered with soft woollen cloth, against which the backs of the watches rested; on this board were fixed several horizontal strips of soft pine, containing V-shaped notches, bevelled inwards, which formed very secure holdfasts for the watches in any position of the pendant. For the temperature-testing a double box was prepared, the outer bottom being of iron, and the inner top of glass; a gas jet under the former raised the temperature, without allowing the products of combustion to enter the inner box, in which the watches rested horizontally on cloth-covered shelves; and a box filled with ice placed on the top of the glass cover reduced the temperature, without allowing the aqueous vapours to penetrate the inner box, which at this stage contained a box of quicklime, to absorb any condensed moisture. All the comparisons were recorded in ink on the paper sheets of the barrel chronograph in the transit-room, wires from which were led to a spot near

where the watches were placed ; to these were attached a few feet of flexible covered wires, at the end of which was the recording key, thus allowing the observer to stand in any part of the room with the key in his hand. To prevent any error of personal equation, the comparisons were all made by one observer, '*Mr. Gilbert*,' and to avoid any error of excentricity in the watch dials, the time was always taken when the seconds hand was at zero ; one of the watches was without a seconds hand, so the exact minute had to be estimated, and as the same minute could not always be taken, the error of excentricity in this case may be considerable. The comparisons were generally made at about ten a.m. of each day, the order of procedure being as follows :—The watches were first wound, the mean-time clock was then attached to the chronograph, and compared with the standard sidereal clock. The observer then went from watch to watch, standing always exactly in front, so as to free the results from the effects of parallax, and pressed the key at the completion of each minute ; the number of the minute was written down immediately after on a sheet of paper ; when the series was completed the mean-time clock was again compared with the standard sidereal clock, the sheet was taken off the chronograph, and the times read off. The open-face watches were always compared as they stood in the rack, but the hunters had to be removed, as all had to be for winding ; but the greatest gentleness was always used. The watches were kept for three days in each position and temperature, in the following order :—Pendant up, pendant right, pendant down, and pendant left ; then *face down*, *face up*, *face up* in refrigerator, and, lastly, *face up* in the oven. The mean temperature of the room during the trials was $61^{\circ}\cdot6$ Fahrenheit, ranging from $59^{\circ}\cdot4$ to $65^{\circ}\cdot6$, that of the refrigerator was $48^{\circ}\cdot6$, and that of the oven $87^{\circ}\cdot4$. The marine chronometers were tested similarly to the watches, except that they were always kept in a horizontal position.

“In working out the results of the testing, the following plan was adopted:—From the series of daily rates for each watch the two extreme ones were taken ; the greatest difference was also taken between any two consecutive daily rates, while the watch was in the same position or condition ; to twice this latter number was then added the difference between the two former ones ; the sum was considered the ordinal number representing the merit of the watch, as the best watch would come out with the lowest number. The watches were then arranged according to these numbers, beginning with the least ; and to the first of these watches was assigned the highest number of marks for timekeeping, 500 ; to the next 495, and so on by steps of five to the end of the list. For each exhibitor, or collective exhibit, was then taken out the number of marks attached to his best watch, and added to the marks he had obtained for the other points of excellence as given by the jurors after personal inspection.

“It will be seen from the list that three of the watches were uncompensated for temperature ; also, that very few of them had fuzees. As the comparisons were made at nearly twenty-four hours intervals, they would not show the periodic variation due to want of isochronism in the balance-spring. If the comparisons had been made at twelve hours' intervals, it might have been a little in favour of the fuzee watches.

“In deciding to accept the marks for the best watch of each exhibitor, instead of the average of all his watches, it was considered desirable to have sent in cheap as well as expensive watches.”

TABLE OF RESULTS—OBSERVATORY EXAMINATION OF WATCHES.

Number of the Watch.	Maker.	Extreme Daily Rates during the whole of the time the Watches were under trial.				Difference between the two preceding co- lums.	Greatest difference between two consecutive rates under the same conditions.	Ordinal Number of Merit.	Marks.	DESCRIPTION.		
										Escape- ment.	Balance Spring.	Balance, &c.
21972	Swiss Watch Collectivity Do. Do. Do. Do. Do.	G	s. 5.53	L	s. 1.50	s. 7.03	s. 0.91	8.85	500	Chron.	Cyl.	—
67340		G	4.92	L	0.41	5.33	1.96	9.25	490	Lever	Breguet	—
58829		G	4.77	L	1.17	5.94	3.02	11.98	480	Lever	Breguet	—
58831		G	2.97	L	5.56	8.53	2.20	12.93	465	Lever	Breguet	—
58455		G	6.67	L	3.21	9.88	2.08	14.04	455	Lever	Flat	—
54339		G	4.48	L	7.96	12.44	1.45	15.34	445	Lever	Flat	—
2039	Daniel Buckney, London Do. Do. Do. Do. Do.	G	14.16	G	2.88	11.28	0.95	13.08	460	Chron.	Cyl.	Fuzee
268		G	9.21	L	9.57	18.78	2.29	23.36	395	Lever	Overcoil	—
285		G	13.86	G	6.23	7.63	1.35	10.33	485	Lever	Overcoil	—
292		G	10.70	G	0.91	9.79	3.01	15.81	440	Lever	Overcoil	—
2027		G	89.61	L	85.45	175.06	19.26	213.58	295	Lever	Flat	Fuzee. No seconds hand
2074		L	77.07	L	12.20	64.87	6.71	78.29	305	Lever	Flat	—
670077	American Watch Co., Waltham, Mass. Do. Do. Do. Do. Do.	G	14.54	L	10.10	24.64	5.26	35.16	365	Lever	Breguet	Woerd's balance
670010		G	2.15	L	7.79	9.94	4.06	18.06	420	Lever	Breguet	Woerd's balance
1056206		G	4.83	L	5.66	10.49	3.12	16.73	430	Lever	Flat	—
1056199		G	11.97	L	6.83	18.80	4.47	27.74	380	Lever	Flat	—
1221469		L	26.37	L	3.03	23.34	10.84	45.02	340	Lever	Flat	—
1215152		G	22.30	L	26.66	48.96	4.77	58.50	325	Lever	Flat	Lowest grade of Waltham
1044	Nicole, Nielsen & Co., London Do. Do. Do. Do. Do.	G	1.84	L	9.06	10.90	4.46	19.82	415	Lever	Breguet	—
1115		G	1.71	L	13.73	15.44	3.43	22.30	400	Lever	Breguet	—
8494		G	1.80	L	10.53	12.33	6.51	25.35	390	Lever	Breguet	Calendar
7515		L	27.94	L	1.00	26.94	7.74	42.42	355	Lever	Breguet	Triple seconds
9043		G	13.97	L	8.95	22.92	6.93	36.78	360	Lever	Breguet	Chronograph
1156		G	0.42	L	21.33	21.75	10.36	42.47	350	Lever	Breguet	Chronograph

152312	C. Baume & Co., Geneva	..	G	38.69	L	52.23	90.92	55.80	202.52	300	Lever Chron.	Breguet	Centre seconds
52339	Do.	..	G	21.74	L	15.05	36.79	12.04	60.87	315	Lever	Boudin	Fuzee
50268	Do.	..	G	7.70	G	1.35	6.35	2.95	12.25	475	Lever	Breguet	—
52336	Do.	..	L	35.71	L	1.86	33.85	4.40	42.65	345	Lever	Breguet	Chronograph
52326	Do.	..	G	8.52	L	16.10	24.62	11.43	47.48	330	Lever	Breguet	Repeater
52341	Do.	..	G	26.14	L	1.86	28.00	8.98	45.96	335	Lever	Breguet	Chronograph
13899	A. Lange & Söhne, Glashütte, b. Dres-	..	G	4.71	L	10.32	15.03	2.50	20.03	410	Lever	Breguet	—
13886	Do.	[den	G	7.33	L	16.87	24.20	1.85	27.90	370	Lever	Breguet	—
13485	Do.	..	G	8.27	L	13.56	21.83	2.97	27.77	375	Lever	Breguet	—
13880	Do.	..	G	4.57	L	6.00	10.57	1.16	12.89	470	Lever	Breguet	—
13383	Do.	..	G	2.89	L	12.28	15.17	5.19	25.55	385	Lever	Breguet	—
13742	Do.	..	L	13.56	L	0.60	12.96	1.68	16.32	435	Lever	Breguet	—
14330	Kilpatrick & Co., London	..	G	105.04	L	18.05	123.09	63.14	249.37	290	Lever	Breguet	Chrono-
1328	Do.	..	G	9.69	L	3.62	13.31	1.85	17.01	425	Lever	Flat	graph
1329	Do.	..	G	4.40	L	2.50	6.90	1.08	9.06	495	Lever	Breguet	Fuzee
1327	Do.	..	G	35.79	L	4.15	39.94	14.19	68.32	310	Lever	Flat	Fuzee
25438	English Watch Co., Birmingham	..	G	173.89	L	387.00	560.89	52.75	666.39	275	Lever	Flat	Balance not compensated
10612	Do.	..	G	85.11	L	229.48	314.59	69.52	453.63	285	Lever	Flat	Do.
25439	Do.	..	G	79.83	L	238.01	317.84	94.56	506.96	280	Lever	Flat	Do.
2454	Victor Kullberg, London	..	G	1.98	L	4.05	6.03	4.01	14.05	450	Lever	Flat	—
3028	Do.	..	G	4.61	L	7.52	12.13	4.14	20.41	405	Lever	Flat	—
2887	Do.	..	G	2.62	L	16.95	19.57	19.57	58.71	320	Chron.	Cyl.	—

MARINE CHRONOMETERS.

3799	Victor Kullberg, London	..	L	3.81	L	0.24	3.57	0.65	4.87	—	—	—	—
3973	Do.	..	G	0.65	L	6.12	6.77	0.87	8.51	—	—	—	—
3989	Do.	..	L	4.86	L	0.30	4.56	0.63	5.82	—	—	—	—

The watches 25438, 10612, and 25439 were not compensated for change of temperature; if we leave out, therefore, the rates while in the oven and refrigerator, the ordinal numbers will be respectively 666.39, 249.47, and 188.37. Watches 152312, 14330, and 25439 stopped while under trial, so their series of rates are not complete. Unless stated otherwise, the watches had the ordinary compensation balance.

CORRESPONDENCE CONCERNING EXHIBIT BY AMERICAN (WALTHAM) WATCH COMPANY.

Observatory, Melbourne, March 7th, 1881.

Memo. to the Superintendent of Juries and Awards.

In consequence of the letter from the representative of the Waltham Watch Company, which you referred to me in December last, wherein he complains of the condition of certain watches sent in for competitive trial, &c., after the trials were completed, I had the said watches examined by an expert, in order to see if the statements of the writer were borne out by facts. The result substantially confirmed Mr. Manson's letter. The report of the expert is appended, as well as copies of correspondence connected therewith.

ROB. L. J. ELLERY, *Chairman Jury 8.*

Melbourne, December 11th, 1880.

J. Cosmo Newbery, Esq., Superintendent Juries and Awards, Melbourne International Exhibition.

Sir—In reply to your two circulars of December 1st and 3rd, calling for watches for timing tests, in accordance with resolutions passed by the judges on horology, we beg to advise having complied therewith, and have sent to the Observatory six watches, which represent our regular stock goods, such as are turned out at our factory every day, and have received no other than the customary finish of its grade. Having made nothing specially for this Exhibition, we think it not improper here to remind you that by reason of same we are placed at a real disadvantage when we come to compete with manufacturers whose watches have been *specially prepared* for timing tests, and *rated* at observatories before sending, thus allowing extraordinary advantages to our competitors.

It would have been fairer to us, and a much more practical test (of the inherent merit for time-keeping qualities) had the judges selected from exhibitors such watches as they might consider representative of each peculiar style of manufacture, and thus preclude the possibility of such manifestly unfair competition. Among the watches sent to Observatory are our first, second, sixth, and lowest grades, and in this connection we regret to say that our first-grade watches, with new compensation balance, met with an accident on the way out. On opening cases, I found glass broken, winding pinion pendant and crown piece out of order; balance and escape-wheel clogged with parchment, in extracting which I have reason to believe the pivots were bent and balance thrown out of poise, which unfortunate occurrence may tell seriously against the time-keeping properties of this grade for such tests as those mentioned in your circulars herein referred to. Unfortunately for us we have only two first-grade watches at this Exhibition, and cannot replace them in time for these tests.

It may not be amiss to here state that the writer was acting under instructions received from the mechanical superintendent of American Watch Company, who wrote, when sending the watches, thus:—"We don't want these watches opened at the back, except to take out the paper that stops the balance, and shall not be responsible if they are meddled or interfered with in any way. We are willing to trust them on their own merits for competition in time and adjustment, in temperature for new compensation balance." You can see from this extract that I had no alternative; and, not being a practical watchmaker myself, am compelled to submit them in their imperfect condition rather than not compete for timing tests. We trust, however, you will be good enough to advise the jury of these facts, and oblige,

Yours faithfully,

D. MANSON,

Representative American Watch Company, Waltham, Mass.

From the Government Astronomer to D. Manson, Esq., Representative American Watch Co.

Sir—Having received from the Superintendent of Juries and Awards your letter to him relative to two watches, Nos. 670,077, 670,010, which you submitted for tests at the Observatory, will you kindly state if you will allow these watches to be examined at the Observatory by any competent person we may select?

R. L. J. ELLERY,

Government Astronomer.

Government Astronomer's Office, Melbourne, 5th January, 1881.

Melbourne, 5th January, 1881.

R. L. J. Ellery, Esq., F.R.S., F.R.A.S., Chairman of Jury on Horology, Melbourne International Exhibition,

Sir—In reply to your favour of the 5th, *re* examinations of watches, would say we are quite willing that you should call in any experts whom you think competent to examine the said

watches, and satisfy yourself and the other members of your jury that our watches *were out of order* when sent to the Observatory for timing tests.

Yours faithfully,

D. MANSON,
Representative American Watch Company, Waltham, Mass.

Melbourne, 2nd February, 1881.

R. L. J. Ellery, Esq., Government Astronomer, Melbourne.

Sir—As it is my intention shortly to return the two gold Waltham watches, which I examined at the Observatory, I now beg to state that they were far from being in good order—that is, for timing tests. They must have had very rough usage, as I found some small pieces of broken glass and some fluffy hairs inside the movement; I also found the centre pinion pivot cut in one of the watches, apparently from want of oil.

The cause of the variations, however, was owing to the balance being out of poise, caused by the rough usage before mentioned. I have now cleaned, oiled, and adjusted them, and hope to get a good even rate. I do not think they will rate as well as the best pocket chronometer did at the Observatory trials, for the Waltham watches (with the lever escapement) are not so delicately pivoted, being made for sound wear, and fit for horseback riding; and I think it simply wonderful, the perfection arrived at for a watch intended for every-day use.

Your obedient servant,

R. MCGREGOR.

CORRESPONDENCE AND DOCUMENT RELATIVE TO AWARD TO THE SWISS COLLECTIVE EXHIBIT OF WATCHES.

Observatory, Melbourne, 12th May, 1881.

Sir—In reply to your letter of to-day, I have the honour to state that it would be entirely contrary to the intentions of the jury on horology to give any award to a single maker or company, of the "*Swiss collectivity*," as distinct from the "*collectivity*" as a whole, because the marks for personal examination of the exhibit were (at the request of the Swiss Commissioner), in accordance with the schedule of entry, and by an unanimous decision of the jury, given for the whole and not for any part of the exhibit. I cannot therefore recommend giving the award, or any prize, to any *watch*, or *part of the exhibit*.

But as I understand the regulations do not admit of giving gold medals for first awards in the case of collective exhibits, I think there can be no objection to the adoption of the last proposition in your letter—namely, giving a gold service medal to the head or representative of the associated exhibitors, and the first award of the jury to the collectivity, in whatever shape is admissible inside the regulations.

I remain, yours obediently,

ROB. L. J. ELLERY.

The Secretary of the Melbourne International Exhibition.

The Swiss Commissioner, Mr. Eugster, having expressed dissatisfaction at the decision of the Executive with respect to the distribution of medals to collective exhibits, the following memorandum of the case was prepared for the information of the Executive Committee by Mr. J. Cosmo Newbery, Superintendent of Juries and Awards :—

The jury gave an award of the first order of merit to the Swiss collective exhibit of watches, instead of giving the award to the most meritorious makers. This was done at the request of the Swiss representative on the jury, who objected to the different exhibits being taken separately.

Objections were made to this award by other exhibitors; and when the Committee of Juries and Awards were considering the scheme of distribution of medals, it was decided that a gold medal should be given for watches of the first order of merit, and the jury were asked to name the makers in the Swiss collection who were deserving.

Mr. Eugster objected to this course, and asked the committee to give the medal to the collection.

The matter was discussed on several occasions, and it was shown that if Mr. Eugster's request was complied with, each of the thirty-two firms who had contributed to the collective exhibit might claim the award.

It was also pointed out to the committee that it was unfair to individual exhibitors in the Swiss and other courts who exhibit separately, to give an exhibit composed of watches made by thirty-two different manufacturers, an award similar to that given to firms or persons showing only their own watches.

Mr. Eugster was then informed that a gold service medal would be given to the president, or head of the association; but this he declined to receive. The committee then decided to send the gold medal to the Swiss Government, to be given by it to the person who made up the collective exhibit for his services.

A similar course is to be followed in the case of the Swiss collective exhibits of musical instruments and jewellery, which will receive silver service medals.

The Executive then appointed a sub-committee to deal with the case of Mr. Eugster, the Swiss Commissioner, which reported that Mr. Eugster, when asked to state his grievance, had objected to the presence of others than Commissioners, and, when informed that the Executive had invited Messrs. Manson and Ellery to be present, had withdrawn from the room, when the meeting closed. No further action was therefore taken.

JURY SECTION IX.

Class 17.—Cheap and Fancy Furniture.

Class 18.—Upholsterer's and Decorator's Work.

Class 21.—Carpets, Tapestry, and other Stuffs for Furniture.

Class 22.—Paperhangings.

JURY.

C. A. Donaldson, Chairman, Victoria.
Max Rohn, Austria.
F. T. Grosse, Germany.

L. Terry, Victoria.

Martini Astolfoni, Italy.
S. H. Roberts, Victoria.
T. H. Thwaites „

EXPERTS APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

R. Curtis.

F. W. Barnard.

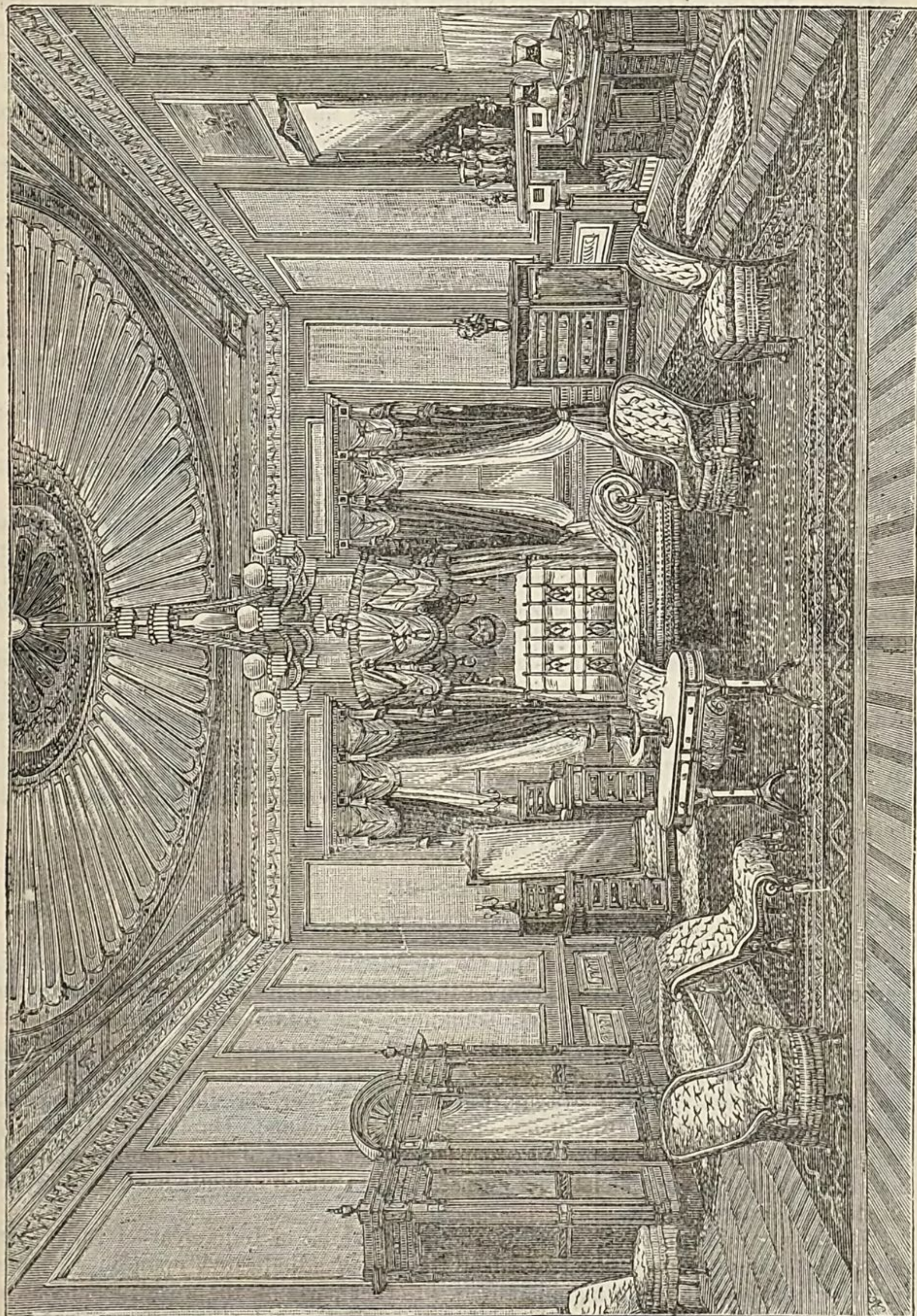
SIR—We have the honour to report that we have carefully examined the whole of the exhibits in the Melbourne International Exhibition in Classes 17, 18, 21, and 22, numbering four hundred and thirty separate exhibits, and have made awards thereon. Owing to the regulations and instructions issued by the Executive, we have experienced some difficulty in dealing with large collective exhibits, comprising articles in two classes, possessing many elements of merit, and upon which we have only given one award, in comparing them with single articles exhibited that come within the first order of merit. Throughout Section 9 we have taken each exhibit *in globo*, and made one award thereon, but deem it necessary to direct special attention to those large collective exhibits which we have classed in the first order of merit, and in which are to be found excellent examples of art workmanship.

CLASSES 17 AND 18.

CHEAP AND FANCY FURNITURE, UPHOLSTERERS' AND DECORATORS' WORK.

In the Victorian Court we found the exhibit of Messrs. W. H. Rocke and Co. possessing such merit as examples of cabinet-making and upholstering as to warrant us in presenting it for the Emperor of Germany's prize.

Messrs. Wallach Brothers also showed good specimens of cabinet-making and upholstering.



W. H. ROCKE & CO.'S EXHIBIT OF ART FURNITURE IN THE VICTORIAN COURT.

In the exhibit of Messrs. Whitelaw and Blair there were designs for interior decorations, finished articles of furniture, specimens of mouldings and objects moulded in composition, and lettering on glass, evincing excellent art workmanship.

Messrs. Alcock and Co.'s exhibit of billiard-tables and billiard-room accessories was so superior in every detail of manufacture that we were unable to class any other of the same kind in the first order of merit; and we consider their electrical and other appliances for marking specially worthy of commendation.

In the German Court were to be found the largest number of first-class exhibits of furniture. Messrs. Vogts, Praechtel, Pfaff, Kelterborn, Krause, Lund, Richter, and Mahr, showed furniture which must be estimated for the enduring qualities derived from sound and good workmanship allied to artistic design.

In the British Court the exhibit of Messrs. Walker and Son displayed excellence in cabinet-making and upholstering.

Messrs. Arrowsmith and Co. exhibited skilful work in parquet flooring and art furniture.

The brass and iron bedsteads shown by Messrs. Peyton and Peyton merited special commendation for the varied and artistic designs, sound workmanship, refinement of finish, and moderate cost.

Messrs. Hoskins and Sewell were also equally commendable for this description of furniture.

In the French Court the cabinet and upholstery work of Messrs. Damon, Namur and Co. was most artistic and superior in every respect.

In the Austrian Court that exhibited by Bernard Ludwig was also worthy of mention. Thonet Gebrüders' bent-wood furniture was deserving of special mention.

It is to be regretted that so few of the great manufacturers of art furniture in England, France, Italy, and elsewhere have considered it expedient to exhibit here; but the cause is clearly traceable to the nature of the Victorian tariff.

There were many encouraging signs of advancement in the manufacture of furniture to be found in the courts of Victoria, Queensland, New Zealand, and South Australia; but there was still great scope for improvement in the direction of correct design and that refinement of finish so well displayed in many exhibits to be found in foreign courts. The establishment of schools for technical education in this country, such as exist in Belgium and France, we consider most desirable, and the best means for attaining this important object.

CLASS 21.

CARPETS, TAPESTRY, &c.

The exhibit by Messrs. Whittal and Co., Kidderminster, of Brussels and velvet-pile carpets, merited special commendation for the artistic designs, colouring, and excellence of quality; as also that of Messrs. Tomkinson and Adam, for Axminster carpets; Messrs. Humphries and Sons, for Brussels and Wilton carpets; Messrs. Watson and Naylor, for Kidderminster carpets; Messrs. Crossley and Sons (Limited), for tapestry velvet carpets; Messrs. Barbour and Miller, for silk and wool tapestry curtains and coverings; Braquenié et Cie., L. Berchoud, Duplan et Hemot, for tapestry; Thierry, Mieg et Cie., Leduc, Dupont et Hervé, Julius Schmits und Co., for silks and stuffs for upholstering purposes, all of which exhibits have been classed in the first order of merit.

Special attention has been given to the large exhibit of Indian carpets, mats, and matting. Those produced by free labour have been adjudicated upon in the same manner as the exhibits of manufacturers in other parts of the world, but have not been compared with those produced by the well-directed efforts of prison labour, which are much superior in every detail of manufacture, the designs and colouring in the carpets, in most cases, being characteristic and good, the texture and finish

excellent. That such highly satisfactory results have been attained by prison labour, we consider very commendable.

CLASS 22.—PAPERHANGINGS.

The exhibits in this class sent from Great Britain, Germany, France, and Austria, were such as to merit the highest commendation, being mostly distinguished by excellence of manufacture, beauty and appropriateness of design, and perfection of printing and finish.

The knowledge and taste displayed in the exhibits show a thorough acquaintance with the principles of decorative art, both past and present. The higher class and expensive papers exhibited were fine specimens of the designers' art; whilst the purity, brilliance, and harmony of the colouring were such as to do ample justice to the reputation of the eminent firms exhibiting. In the cheaper goods, also, excellence of design and manufacture was shown.

It is worthy of note that the extravagant and inappropriate floral arrangements so much in vogue with the paperstaining trade a few years ago, were generally absent, and that when flowers were introduced in the papers exhibited, it was with correct taste and judgment. The great majority of the designs, however, were in conventional flowers and ornament in soft and gentle tints of harmonious colours.

CHAS. A. DONALDSON, *Chairman.*

EXPERTS' REPORTS.

Steinfeld, Levinson and Co., Melbourne.—Cane House and Furniture.—We consider the workmanship in both house and furniture as being very good, and deserving to be placed in the first class.

Wooton Desk Co., Indianapolis.—The Desk of the Age, the Wooton Patent Cabinet Office Secretary.—We consider this a very useful and ingenious piece of furniture.

JURY SECTION X.

Class 18.—Crystal Glass and Stained Glass.

Class 20.—Pottery.

JURY.

C. M. Rosenthal, Chairman, Belgium.
F. G. Cunningham, Great Britain.
G. Foord
E. Handowsky, Austria."
Dr. Seelhorst, Germany.
C. Schoessler, France.

C. Bonaini, Italy.
P. A. Agnew, Victoria.
V. Delves-Broughton,,
E. R. Cropper,,
J. B. Crews,,
Dr. Fulton,,

EXPERT APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

E. P. Cecchini.

SIR—In presenting this report, we are pleased to state that the exhibits in both classes which came under our inspection were above the standard usually brought to Exhibitions. The progress made in both branches since the International Exhibition at Paris, in 1878, was very perceptible; and this jury has found it necessary to place

the following eleven exhibits under your special notice, as we could only classify them with others in the first order of merit, whilst their merit deserved the highest possible distinction:—

CLASS 18.—CRYSTAL GLASS AND STAINED GLASS.

Thos. Webb and Son, Stourbridge, showed a splendid exhibit of cut, engraved, and other glassware, of excellent quality, pure and white in colour; all articles were of very fine workmanship and artistic merit, and exhibited great progress in the designs and cuttings.

Count Harrach, Neuwelt, showed ornamental and other glassware of the finest description. More than sixty different colours and tints were represented in this exhibit, rivalling each other in beauty. The decoration and enamelling deserve great praise for their tasteful and truly artistic finish.

Société des Glaces de St. Gobain, St. Gobain, showed mirrors and glass tiles of great beauty, purity, and careful silvering, perfect in finish, and deserving great praise.

Compagnia Venezia-Murano, Venice, showed a splendid collection of Venetian glassware, of very fine designs, beautiful in colours. Several specimens shown deserved great praise for their highly artistic finish.

CLASS 20.—POTTERY, STONEWARE, TERRA-COTTA, &c.

The Collective Exhibit of the Chamber of Commerce, Limoges, presented an exhaustive picture of the high standard to which the manufacture of porcelain has been brought. All the objects showed splendid, hard, white, very pure material, and fine glazing, with new and artistic designs; the decorations, finished with great care, displayed fine, bright and harmonious colours, rich and durable gilding; great progress was manifest in the tracing of many objects glazed over the carved designs, which were novel and attractive. The whole exhibit deserved great praise and high distinction.

Minton and Co., Stoke-on-Trent.—This exhibit merited great praise for the truly artistic objects shown. The designs and finish were distinct and fine in appearance, and would adorn any collection. Several colours shown surpass in delicacy of tints anything shown here; the ornamentations were attractive, and the gilding rich and durable.

Königlich Porzellan Manufaktur, Meissen, exhibited an extensive collection of artistic porcelain of high merit, of very fine designs and execution. Many objects ornamented with raised flowers deserve great praise for their careful and masterly finish. Many of the plates, which were artistically decorated, would be highly valued ornaments in any museum. Objects with lacework designs in the ornamentation showed great progress; the whole exhibit was worthy of the highest award.

Manufactures Nationales de Sèvres, Sèvres, showed a small but grand collection of highly artistic porcelain, fully worthy of the high reputation this factory enjoys, of splendid designs, painted and decorated with care and in a masterly style; the *pate appliqué* decoration showed considerable merit, and the whole exhibit deserved the highest possible distinction.

Worcester Royal Porcelain Factory, Worcester, showed a very fine collection of artistic pottery, of excellent material and glazing, good, bright, and harmonious colours; a specimen of perforated porcelain showed considerable progress and deserved great praise for finish; the gilding was rich and durable.

Minton, Hollins and Co., Stoke-on-Trent, showed the finest and best assorted collection of tiles, of excellent material and fine durable glazing; the decoration was of high merit.

Doulton and Co., Lambeth, showed a splendid and well-assorted collection of stoneware, &c., for chemical and domestic purposes, of excellent material, good designs, and very fine durable glazing; all articles shown have been finished with great care and ability, and were deserving of high distinction.

CH. M. ROSENTHAL, *Chairman*.

JURY SECTION XI.

Class 24.—Goldsmiths' and Silversmiths' Work.

Class 39.—Jewellery and Precious Stones.

JURY.

Rev. W. Fellows, M.A., Chairman, Victoria.
O. R. Rule, Great Britain.
R. L. J. Ellery „
— Russell, Commander R.N., Great Britain.
G. G. Linen, United States.
J. Benjamin, Austria.
Dr. Seelhorst, Germany.

L. Moonen, France.
P. Dattari, Italy.
A. Favre, Switzerland.
J. Hazelton, Victoria.
J. B. Denny „
Dr. Thomson „
P. Wing „

EXPERTS APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

E. Wilson.

J. W. Bobardt.

SIR—In making the various awards in Section XI., Classes 24 and 39, the jury kept prominently in view the originality of the design, skill in the workmanship, quality of the material used, the utility and cheapness of the different exhibits upon which they had to adjudicate. Exhibitors, therefore, received awards of first, second, third, and fourth orders of merit, according as they satisfied the jury and approached their standard of perfection in the above-named particulars.

WALTER FELLOWS, M.A., *Chairman*.

EXPERTS' REPORTS.

SMITH AND WESSON, Springfield, Mass.—Nickel Plate on Iron and Steel.—These are very good specimens of nickel plate, and I would recommend a first award.

W. W. HARRISON AND Co., Sheffield.—These goods are really first-class productions; they are well made and artistically finished, both the workmanship and material being excellent. I would recommend them for a first award.

WILKENS AND SÖHNE, Bremen.—I must certainly recommend for a first award, as their exhibit is of superior quality and workmanship, and they exhibit a complete set of silverware of the very best finish.

H. W. HOLLOWAY, Melbourne, being the only exhibitor of electrotypes models of medals, and showing an immense variety of very good designs of excellent finish, I beg to recommend him to a first award.

S. CRANMORE, Birmingham.—Imitation Jewellery.—I must certainly recommend for a first order of merit, as being superior in colour, quality, workmanship, design, and finish.

JURY SECTION XII.

Class 27.—Apparatus and Processes for Heating and Lighting.

Class 64.—Apparatus and Processes of Civil Engineering, Public Works, and Architecture.

JURY.

W. F. Journet, Chairman, France.
J. Hicks, Great Britain.
J. T. Wynne „
G. Pierce, United States.
L. Vieusseux, Germany.
E. Lange, Netherlands.
J. Weir, Victoria.

R. Thompson, Victoria.
W. Finlay „
M. Egan „
J. Holtom „
N. Billing „
R. H. Stone „
A. Purchas „

EXPERTS TO ASSIST JURY.

J. Sullivan.

J. Taggart.

B. Ford.

EXPERTS APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

J. Richards.

Jas. Taggart.

SIR—In submitting this report of the results of their labours for the past four months, the jury have to mention that they held thirty-five meetings; and their work has not been concluded earlier in consequence of the large number of exhibits (about 450, comprising several thousand articles) in these classes, some of which required to be practically tested before they could be adjudicated upon; and as these tests occupied considerable time, the delay was unavoidable.

In connection with the subject of practical trials of exhibits, the jury feel compelled to express their regret that there were not greater facilities and opportunities for making such trials, as the absence of them considerably increased the difficulty of determining the relative merits of the articles judged. So far as such tests have been made they have been carried out in accordance with the latest and most approved systems and appliances, fairly and impartially, to the best of our ability and judgment.

In giving their awards the jury have had to exercise a great deal of care, owing to the large number and great variety of exhibits they had to judge; and they have been careful not to lower the value of the awards by giving them too freely, but only to those that showed a manifest superiority. Under this system, no doubt, many exhibitors, by not seeing their names in the list of awards, may think they have been passed over; but all exhibits brought under our notice were inspected, and such only as we considered to excel in all points were included in the list.

The first section on which we report in detail is—

CLASS 27.—HEATING AND LIGHTING APPLIANCES.

In ornamental and registered grates the exhibits were of a very superior character, especially those from Great Britain, which worthily occupy the premier position, as will be seen by the award list.

The collection of cooking ranges was varied and excellent. The competition in this class rested wholly between Great Britain and Victoria, the British goods showing a somewhat superior finish, but the Victorian running very closely at all points.

The competition in colonial ovens and stoves rested solely between the Victorian manufacturers, who have made a special study of these useful articles (which are

well adapted for the purposes intended); but as the class of work put in these goods is generally rough, we did not consider them sufficiently well finished to merit first awards.

The American cooking stoves stood alone in competition, there being no exhibitors from any other country. The workmanship of these was very good, and they seemed well adapted to answer all the purposes they are intended for.

Gas cooking stoves were subjected to a practical test on 11th March. There were only two competitors—Walker, Melbourne, and Vielliard, Paris. The results were very satisfactory, as far as the trial went, as both stoves were equal in consumption of gas (31 cubic feet each), in the time occupied in cooking, each doing it in 1 hour 45 minutes, and in the manner the viands were cooked. (Arrangements were made for testing the stoves of other exhibitors, but at the last moment Jeans and Wallis Bros. declined to compete, so that no award or opinion could be given as to the merits of their exhibits.)

At the same time we tested some stoves heated by kerosene. These did their work efficiently, and were very compact and useful articles for small family purposes where gas is not obtainable. The time occupied in cooking was 1 hour 37 minutes. There was no smell of kerosene to be perceived during the operation, nor taste of it afterwards in the viands, which were thoroughly done.

A first award was given to Jeans, of St. Kilda, for his very fine collection of gas heating stoves and grills, and gas iron heating stoves.

We also tested two gas water heaters for baths, &c., by Walker, of Melbourne, and by Jeans, of St. Kilda, and found them of equal merit. They were useful articles, and heat water very rapidly.

We inspected a great variety of washing machines exhibited by several countries. On 11th March we subjected them to a practical test, and in doing so divided them into two classes—those that are worked entirely by manual labour, and those that do their work by boiling and steaming. The results were that the manual labour machines did their work generally in *less than half* the time the boiling and steaming ones, and in a much better manner, and we have given the awards accordingly. It will be seen by the award list that the Victorian competitors, with one solitary exception from Great Britain, were the sole winners of awards. To assist us in our judgment we had the help of the following experts:—Mr. Taggart, manager of the Melbourne Steam Laundry, and Mrs. Ford, laundress of the Melbourne Benevolent Asylum. The following were the competitors, with the time occupied by each and experts' reports thereon:—

We have the honour herewith to submit our report as experts on the merits of the different washing machines tried before your committee in the building of the Exhibition:—

No. 1. Bradford and Co.'s, Manchester.—A useful family machine, easy on clothes, simple to work, but not up to the mark in getting through quantity expeditiously.

No. 2. Wall's, Camperdown.—Turns out the clothes in short time well washed; simple and easy to work. A really good household machine.

No. 3. Wolter and Echberg's, Melbourne.—Most effective; washes well and quickly; of simple construction, and easily handled.

No. 4. Fischer's, Adelaide.—Turned out the clothes not half washed.

No. 5. Piet and Co.'s, Paris.—Washed badly; spots and dirt not taken out of garments.

No. 6. Baker's, Melbourne.—Clothes very well washed.

No. 7. A. O. Chambers's, Adelaide.—Clothes not half washed.

No. 8. Mrs. T. Thomson's, New Zealand.—Same remark as to No. 7.

No. 9. Flood's, Melbourne.—First trial, clothes very badly washed; second trial, very well washed.

No. 10. Ford's, E. Brighton.—Best washed clothes of the lot, but the process is very slow.

(Signed)

JAMES TAGGART } *Experts.*
BRIDGET FORD }

Wooden and wax matches were well represented by numerous exhibits, showing great variety. There were ten exhibitors from Italy, Austria, Netherlands, Great Britain, Sweden, and Japan (the latter being noticeable for the extraordinary cheapness of his goods). The exhibits generally were of a high class. We subjected them to a practical test, with the results as given in our awards.

There were three exhibitors of gas-producing apparatus, one being W. Smith and Son, U.S.A., whose apparatus prepared carbonised petroleum gas of excellent quality and a pure, soft, white light. The cost of production is twice that of coal gas, yet as it gives twice the light the cost is about the same. The apparatus is portable and easily moved, and is very suitable for private houses and the country. Two (one from Great Britain and one from New South Wales) were for carburetted gas. The processes were very simple, and consisted of forcing atmospheric air through gasoline. The cost of production was very moderate, and the apparatus light and portable. These apparatus were all tested, with the results as given.

Gas-measuring apparatus were all tested. There were two very good exhibits of meters—one by W. B. Cowan, Edinburgh, and the other by Glover and Co., London. Glover and Co. also exhibited a valuable and highly finished apparatus for testing meters, which deserves high commendation. There was only one photometer, by Sugg, London, exhibited. This was a very fine, delicate, and accurate instrument, well fitted for the purposes intended, and deserved the highest commendation for its design and adaptability.

Amongst other exhibits connected with gas-lighting which we tested, and must notice, were those of W. Sugg's improved burners and regulators for lamps, and also his 200 and 400-candle lamps for lighting large areas; C. and W. Walker's (London) large gas centre valve for purifiers, an efficient and serviceable article, and their purifier sieves, &c.; and Messrs. Pelouze and Audoin's (Paris) gas condenser, which was also a most useful apparatus, and worthy of special notice.

The exhibits in chandeliers and gasaliers were numerous and varied. Almost every country was represented, some of them showing a high degree of excellence, Douglas's, of Melbourne, comparing favourably for design and workmanship with the exhibits of older countries. Delafollie, of Paris, and T. Webb and Sons, of Stourbridge, were especially noticeable for the excellence of their articles shown.

The numerous exhibits of table lamps were of a highly satisfactory character, and creditable to the exhibitors, especially those of Great Britain, France, and Austria.

There was a very good collection of locomotive, steamboat, and other lamps of that kind, in the Victorian Court. Those calling for special remark are by J. Paterson, of Melbourne, and J. W. Faul, of Sandhurst, which we tested with others, and found highly satisfactory.

There were two very good exhibits of carriage lamps, both from Great Britain.

CLASS 64.—APPARATUS AND PROCESSES OF CIVIL ENGINEERING, PUBLIC WORKS, AND ARCHITECTURE.

The exhibits of building stone were numerous and varied, principally, however, from all parts of Australasia. The specimens examined comprised every description of stone for building purposes; and those we have given first awards to are by far the best. In granite, Victoria takes a first award, with stone from Harcourt. In sandstones, Tasmania has a first award, with stone from Spring Bay; New South

Wales a first, with stone from Ultimo ; and Victoria a first, with stone from the Grampians. In limestones, New Zealand obtains a first award with stone from Oamaru, which, we consider, is particularly adapted for interior work.

There were specimens of fourteen different kinds of marble, all of high quality, from Italy, exhibited by G. Biondetti, of Venice. There were also several samples of marble exhibited from New Zealand, which show that this valuable material exists there ; but the evidence as to the extent of the quarries and size of the blocks to be obtained was not sufficient to enable the jury to express a further opinion as to its value, which they trust will be fully developed at a future period.

Specimens of "flagging" were exhibited from New South Wales, South Australia, and New Zealand. The best of these were from quarries at Mintaro, South Australia, and from Burrowa and Wagga, New South Wales.

In "slate slabs," for baths and other useful purposes, also "ridging slabs" of various thicknesses, the Penyrorsedd Slate Quarry Company of North Wales were the only first-class exhibitors. The same firm also has "roofing slates;" but we did not consider them entitled to more than a second award, as they were not equal to those exhibited by Previte and Greig, from Lord Penrhyn's Bangor Quarries, Wales. South Australia and Tasmania also exhibited fair samples of this class of slate.

Lime was exhibited from Victoria, South Australia, and Fiji, which we considered to be only of medium quality.

In gypsum and plaster of Paris the jury wish to mention the good exhibit of gypsum crystals, and plaster of Paris made from same by Augustus Tocchi, of South Australia.

Common bricks for building purposes were exhibited by all the Australasian colonies ; but we could only give awards to three ; the first of whom was the Hoffman Patent Brick Company, of Brunswick, whose exhibit was of a very superior quality, and to which we wish to call special attention.

The best exhibits of firebricks and fireclay goods were from Great Britain, of which two proved to be of superior quality—those of Harper and Moores, Stourbridge, and J. Cowen and Co., Blaydon-on-Tyne.

There was a very great variety of tiles in the British, German, Victorian, Italian, and Belgian Courts, and, with the exception of one very fair exhibit of roofing tiles from Belgium, the exhibits were flooring and wall tiles. The British exhibits were of great excellence, and received four first-class awards for flooring and enamelled tiles, and two other firsts for ferro-metallic and malt-kiln tiles respectively. To the exhibit of Minton, Hollins and Co., Stoke-on-Trent, we gave special mention for its collection of encaustic, flooring, and enamelled tiles.

H. A. Cawkwell, of Malvern, also carried off a first award for encaustic tiles, of excellent quality, being well made and durable.

In marble tiles for paving there were some first-class exhibits, all from Belgium.

For drain pipes H. Doulton and Co., of London, took the premier position for excellence of work and finish ; and after them we noted two very good colonial exhibits, those of Cornwell, Melbourne, and Austin, Kirk and Co., of Christchurch.

In sanitary ware, &c., G. Jennings, London, deserved special mention for his numerous and varied exhibits of first-class merit ; while H. Doulton and Co., London, and several others from Great Britain, worthily occupied first-class places ; as also did Wilson, Corben and Co., of Melbourne, who exhibited enamelled-slate baths (equal to those exhibited by J. Sessions and Sons, Gloucester), and also showed fine specimens of enamelled slate mantelpieces of high excellence.

In marble mantelpieces the exhibits were very numerous, and of the highest character, the Belgium and British taking premier position. The Belgium, in particular, were specially worthy of notice ; that of Verbist-Lamal, in black marble, showed the highest taste and beauty of design.

There were several very good exhibits of doors from New Zealand, in which the beauty and adaptability of native woods were shown; in particular, we must notice the exhibits of Messrs. Waddell, M'Leod, and Weir, of Wellington, who have been awarded the only first degree of merit.

In locks there were five first awards given, four of which go to the United States of America, and one to Great Britain. Of the United States exhibits that of the Russell Erwin Manufacturing Company, Connecticut, stood superior to the rest for finish and excellence of make, cheapness, and simplicity of construction. The Chatwood Safe and Lock Company of Bolton exhibited locks for strong rooms and safes, and with their model of a steel strong-room and hydraulic apparatus for same were well entitled to rank in the first class. In connection with this latter class of exhibit we must also draw attention to the Milner Safe Company's strong-room, lobby, and gate.

Cartland, Pemberton, and Harcourt, of Birmingham, and Russell Erwin Manufacturing Company, all worthily occupied the first position for door furniture.

The exhibits of parquet flooring were very good, and were all entitled to occupy the first place, to which we have assigned them. There were only three. One each from Austria, Belgium, and Great Britain.

There were a number of exhibits of window sashes, but none that call for special notice.

The steel revolving shutters of Clark and Co., London, were well worthy the first award given them. They were light, strong, and have proved to be well adapted for the purposes intended.

In stained glass windows one only is worthy of special notice—that of Lorin, of Chartres—for its purely artistic design and perfection of workmanship.

There were a number of exhibits of ventilators, showing various ways of attaining the object, but there was only one—that of James Howorth, Manchester—that we considered worthy a first award.

There was a large collection of models, plans, and photos. of various architectural, civil engineering, and other works, but none to call for any particular notice, except those in the French Court. We beg leave to bring under your special notice that portion of the French Court which has been presented by the Minister of Public Works of the French Republic to the Commissioners of the Melbourne International Exhibition. We examined and inspected the various works comprised in this magnificent gift, which contained valuable works, plans, and models of the principal engineering works that have been executed in France, undertaken by the various branches of the Department of Public Works—viz., roads and bridges, hydraulic works, canal works, ports and harbours, lighthouses and beacons, railways, mines, and public buildings. We consider the collection interesting, instructive, and of great value.

There was a fine collection of grindstones, and first awards were given to the Société Industrielle, Brussels; Lasetter and Co., of Sydney; and Rischmeyer, of Hamburg.

In cement there were thirteen exhibits. These we submitted to practical tests, in the usual way, by having them made into briquettes by an expert, appointed by the superintendent of juries and awards. The expert was supplied with a numbered sample of cement from each competitor's exhibit. These samples were made into briquettes, composed as follow:—Two of each of pure cement; two of each of one to one of sand; two of each of one to two of sand; and two of one to three. All were immersed in water for seven days after making. After that, one series was taken out of water seven days, and another fourteen days before testing. All the samples were tested by Holste's cement-testing machine, and our awards are strictly based upon the results of these tests. After the tests were finished as above, and the awards made accordingly, the jury then referred to the record of the names to which the numbers applied, and they were found to be as follow:—

TESTS OF PORTLAND CEMENT AT THE MELBOURNE INTERNATIONAL EXHIBITION, 1880-81,
BY JURY NO. 12. TABLE COMPILED FOR JURY BY A. PURCHAS, C.E.

	No. 1.	No. 2.	No. 3.	No. 4.	No. 5.	No. 6.	No. 7.	No. 8.	No. 9.	No. 10.	No. 11.
Tension on Briquettes 1 sq. inch in Section.	J. C. Johnson.	Toepffer, Grawitz & Co.	Josson and Delangle.	J. C. Gostling.	J. B. White and Bros.	Schiffer- decker and Söhne.	Feege and Gotthard.	Mannheimer.	Prüsing- Planck and Co.	Groze.	R. Ravasi and Co.
	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.
21 days .. } Pure cement 14 days .. }	280 205	160 300	284 282	287 395	296 162	337 441	212 128	225 206	393 235	125 B.W.W.	267 No cement
21 days .. } 1 cement, 1 sand 14 days .. }	142 98	260 220	123 192	250 250	161 115	218 198	92 128	180 130	182 B.W.W.	B.W.W. B.W.W.	— —
21 days .. } 1 cement, 2 sand 14 days .. }	100 192	330 185	B.W.W. B.W.W.	219 162	B.W.W. B.W.W.	150 226	118 B.W.W.	121 B.W.W.	177 B.W.W.	— —	— —
14 days .. } 1 cement, 3 sand 2) }	B.W.W. 100	90 112	B.W.W. B.W.W.	200 280	B.W.W. 140	150 B.W.W.	B.W.W. B.W.W.	B.W.W. 140	92 B.W.W.	B.W.W. —	— —
	1117	1657	881	2043	874	1720	678	1002	1079	—	—
	558.5	828.5	440.5	1021.5	437	860	339	501	539.5	—	—
Awards ..	Third	Second	Fourth	First	Fourth	Second	Fifth	Third	Third	—	—

N.B.—B.W.W. indicates that the briquettes broke without weight. All the briquettes were stated to have been seven days out of water, the remaining period in water.

There were several exhibits of monumental sculpture, but only that of Weiller, of Leghorn, was entitled to a first award.

There were two exhibits of water meters, one each from Germany and Great Britain; but we had no opportunity of properly testing them.

There was one exhibit of a fluvio-meter, or instrument for testing the rate of currents, in the Netherlands Court; but we also had no opportunity of testing this, as it was brought under our notice too late.

The only excavator in the building was worked by steam, and exhibited by Tangye, of Birmingham. This was a very useful and practical apparatus, easy to work, and well adapted for the purpose intended—viz., deepening rivers, and general dredging work.

Several earth scoops were also inspected, which the jury regret not having been able to test, but they consider the best to be M'Caughey's patent earth scoop, exhibited by David Munro and Co., of Melbourne; and their judgment has been borne out by gentlemen who are using them.

In conclusion, a large number of valuable exhibits of a highly useful and meritorious character have been examined by the jurors, in the two important classes occupying their attention, some of which may not have been fortunate enough to reach classification for awards, or to require special notice in this report.

W. F. JOURNET, *Chairman.*

EXPERTS' REPORTS.

I have examined the exhibit of Dell and Sons', London, millstones and machinery, and I have compared them with other similar exhibits which have been awarded first order of merit, and I find that of Dell and Sons is fully equal to any; and I recommend a first award.

R. G. Ford, E. Brighton.—Washing Machines.—I saw the clothes which had been operated upon by this machine, and can affirm that they were beautifully clean; in fact, not surpassed in this respect by any other machine that stood the test on the day of trial, and equalled by few.

CORRESPONDENCE RESPECTING CEMENT AWARDS.

The Superintendent Juries and Awards.

Melbourne, 25th April, 1881.

Sir—Referring to my letter of 2nd inst., and a copy of Mr. Sullivan's letter received with a copy of your favour of the 11th inst., through Professor Reuleaux, I beg to lay before you the following considerations.

The report of the jury says:—

“These samples were made into briquettes composed as follows:—

“Two of each of pure cement, two of each of one to one of sand, two of each of one to two of sand, and two of one to three of sand. All were inserted in water for seven days after making. After that one series was taken out of water seven days and another fourteen days before testing.

“All the samples were tested by Holste's cement-testing machine, and our rewards are strictly based upon the results of these tests. After the tests were finished as above, and the awards made accordingly, the jury then referred to the record of the names to which the numbers applied, and they were found to be as follow:—

Average tested strength.					
1021·5	J. C. Gostling and Co.	..	..	..	1st
860·0	Schifferdecker and Söhne	..	..	..	2nd
828·5	Toepffer, Grawitz and Co. (Stern cement)	..	..	..	2nd
558·5	J. C. Johnson	..	..	..	3rd
539·5	Prüsing, Planck and Co.	..	..	..	3rd
501·0	Mannheimer Cement Co.	..	..	..	3rd
440·5	Josson et Delangle	..	..	..	4th
437·5	J. B. White Brothers	..	..	..	4th
339·0	W. Feege and Gotthard	..	..	..	5th

As I was told by a member of the jury, the whole of the work of making the test briquettes and testing them was left to Mr. Sullivan and Mr. Kemball respectively, and no precaution was taken that these *employés* should not know the origin or brand of each number, the giving of a number to each sample thereby becoming quite an illusory precaution. Mr. Kemball himself hinted to me several times that he had the whole matter in his own hands, and I found him to be in continuous friendly intercourse with the agent of J. C. Gostling and Co., awarded the highest figure.

To satisfy my curiosity I have myself made very careful tests with Gostling and Co.'s and Stern cement.

Instead of two, I tested ten briquettes of each, seven days old, which I first of all sifted through the same sieves, in which operation the Gostling left about four times as much refuse as the Stern cement.

I received the following results :—

Gostling maximum,	576 lbs.;	minimum,	433 lbs.;	average,	579 lbs. per square inch.
Stern	„	722 lbs.	„	579 lbs.	„ 747 lbs. „

These results agree very well with the practical daily experience; while the high figures which Mr. Kemball reported are beyond all experience, and, as my maximum results show, they are not only too high as an average, but even impossible as an exception.

The importance of the verdict of a jury of an International Exhibition should have warranted the greatest care and most stringent control in regard to the experiments, which have not been the case, if—

(1.) The test pieces made by Mr. Sullivan could have been exchanged by older ones while drying or while being carried from the Museum to the Exhibition.

(2.) The average was taken from only two samples of each kind.

(3.) Mr. Kemball knew the brand of each number of samples.

(4.) The members of the jury did not control the whole work, but identified themselves with the report of Mr. Kemball.

(5.) The cements were not properly treated before testing by sifting through a uniform mesh.

I beg, therefore, to repeat my appeal against the decisions of the jury, and to request another series of tests to be made with the proper care and controls, with samples to be taken from the market, which can easily be obtained.

I am willing to defray all expenses, and to deposit the necessary amount.

I trust that the Commission of Awards will sustain my request, and not allow injustice to be done on account of unreliable tests or mistakes to an exhibitor, who has at all previous exhibitions secured the highest awards over all competitors, and that you will not without reassuring yourselves publish a report, which, by the impossibility of its figures and its contrast to scientific and practical experience, would astonish everybody, and thus reduce the intrinsic value of the awards made at this great International Exhibition.

I have the honour to be, sir, yours most respectfully,

FELIX DOEHLING,

Representative of the Stern Portland Cement Works, Messrs. Toepffer, Grawitz and Co.

J. C. Newbery, Esq.

Melbourne, 28th April, 1881.

Sir—I have the honour to send in to you herewith an appeal of Mr. Doehling, and beg of you very respectfully to use your whole influence that a German exhibitor would be adjudicated in the right way. I need not add that I can in every point consent to the reasons laid before you by Mr. Doehling.

I have the honour to be, sir, your very obedient servant,

For, and in absence of the Commissioner for the German Empire,

DOBROGOISKI.

J. C. Newbery, Esq.

20 Temple Court, Melbourne, May 6th, 1881.

Sir—I have the honour to acknowledge the receipt of your letter of the 2nd inst., requesting me to report on an application from Mr. F. Doehling for an appeal against the decision of Jury No. 12, with reference to the awards on cements, and requesting that another series of tests may be made; also offering to defray all expenses of same.

Referring to the remarks made by Mr. Doehling about “the test pieces being exchanged,” and that “the cements were not properly treated before testing,” I would beg leave to state that the jury had nothing to do with the samples of cement or the briquettes made from same until they were brought into the office of the jury by Mr. Sullivan (the expert appointed by yourself), who had received instructions from us how to treat the cement, and how to make the required number of briquettes for the purposes of testing.

You will readily understand that the mode of treating the cement to be tested is of the greatest importance, so as to obtain a uniform manipulation after being sifted, then to be made into uniform briquettes.

How far Mr. Doehling's assertion is correct with regard to "the expert being acquainted with the brands," and other similar remarks, formed no portion of the duty of the jury to inquire into. Proper measures had, the jury thought, been adopted to prevent anything of the kind. The jury had to place implicit confidence in the expert nominated by the Superintendent of Juries and Awards.

The results shown by the testing machine caused the jury to have serious misgivings as to the way in which the briquettes had been made, and all the members expressed considerable dissatisfaction at the extraordinary range of the results; and they would have suggested the desirability of a new series of tests being made on briquettes prepared by some other expert if the time would have allowed it, but, unfortunately, they were compelled to give their awards in accordance with the results then obtained.

By referring to the table of tests made, a copy of which is appended hereto, you will no doubt notice the discrepancy that exists in the results between the first and second tests made with the *same sample of cement* (see No. 2), and supposed to be treated in the same way, and the briquettes made in a similar manner. There is also a glaring case with a sample (No. 6) which stood a strain of 150 lbs. upon the square inch in the *first test*, and broke down in the next test without any strain being indicated (see No. 6). There is also another instance where the difference between the two tests is 148 lbs. (see No. 9). In two cases there is a difference of 140 lbs., and others range widely. Another unaccountable difference is shown in a sample which stands a strain of 123 lbs. to 284 lbs. in four tests (see No. 3), and with the next four tests breaks down at nothing indicated.

This the jury considered most unsatisfactory; and the cause has not been explained or accounted for, as tests of the same cements usually show very similar results; and under these circumstances I consider it only fair to allow all exhibitors who appeal to have a new series of tests made upon the same conditions as proposed by Mr. Doehling. The jury, I feel sure, would undertake the same, as they have a strong feeling that justice has not been done in the matter.

I have the honour to be, sir, your most obedient servant,

A. PURCHAS, C.E.,

Vice-Chairman of Jury No. 12.

N.B.—As a proof of the inferior manner in which the briquettes must have been made, I need only call attention to the results in the table attached, the highest being 441 lbs., whereas reliable evidence is published of similar briquettes breaking at 634 lbs. A. P.

Technological Museum, Melbourne, 20th August, 1881.

Report of an examination of the cements exhibited by the "Stern" Cement Company (Toepffer, Grawitz and Co.) and Messrs. Gostling and Co., made at the request of the Commissioner for Germany.

Upon analysis these cements gave in 100 parts:—

	"Stern."				"Gostling."			
Water	..	..	..	0.95	..	..	1.50	
Lime	..	..	..	62.59	..	..	60.80	
Lime (carbonate)	..	..	..	trace	..	..	2.25	
Lime (sulphate)	..	..	..	1.34	..	..	1.46	
Magnesia	..	..	..	3.10	..	..	2.26	
Silica	..	..	..	14.70	..	..	19.60	
Silica, soluble in acid	..	..	..	7.70	..	..	1.30	
Oxide of iron	..	..	..	3.60	..	..	4.40	
Alumina	..	..	..	3.10	..	..	4.00	
Soluble salts	..	..	..	2.00	..	..	1.75	

Briquettes were made from each sample, and, after exposure to air for one day and immersed in water six days, they were broken on Holste's machine with the following results:—

Twelve samples of "Stern" cement gave results equal to a breaking strain of 340.8 pounds to the square inch, with a minimum of 300 and a maximum of 390. "Gostling's" cement, treated in the same way, gave an average of 357.1 pounds as a breaking, maximum 395, minimum 355.

A second series from the Exhibition cement gave "Stern" cement an average of 585 pounds, with a maximum of 730, and a minimum of 400. "Gostling's," treated in the same way, gave an average 409 pounds, with a maximum 509, and a minimum of 300.

Both cements give results above that guaranteed by the makers, and had this evidence been before the jury, both would have received the first order of merit.

J. COSMO NEWBERY.

I fully approve of the above.

A. PURCHAS, C.E., Vice-Chairman.

Melbourne, 26th August, 1881.

George Collins Levey, Esq., C.M.G., Secretary to the Melbourne Exhibition.

Sir—I have the honour to lay the following matter before you :—

In the beginning of April the awards in connection with Cement (Jury 12) were published. The jury having awarded second order of merit to the exhibit of the Portland Cement Fabrik “Stern,” Stettin, Messrs. Toepffer, Grawitz and Co., I, as their agent, immediately appealed, through the German Commissioner, against their decision, knowing very well that the cement of this firm is recognised everywhere as being the best with regard to strength, density, hardness, fineness, colour, and uniformity of quality, especially in regard to strength; this firm guaranteeing a strength of 568 lbs. to the square inch, seven days’ test, being more than any other firm can do.

I asked to have the cement tested by one or two experts.

Some delay was caused by the necessary correspondence on this subject; but finally Mr. Cosmo Newbery offered himself, in his capacity of Government analyst, to submit the samples of “Stern” and Gostling cements to proper tests, in order to arrive at a correct understanding regarding the claimed qualities of the cements.

In consequence of Mr. Newbery’s many engagements, and the difficulties in the way of properly testing cement in a short time, he was not able to give the result of his examinations before the 20th August, on which day he submitted to you a report, copy of which you kindly forwarded to me, from which you will have observed that, according to his examination, the “Stern” cement was quite entitled to a first order of merit.

I beg, therefore, to request you to be good enough to have the award for the “Stern” cement of the Portland Cement Fabrik, raised from the second to the first order of merit, to which it is entitled.

It is no fault of mine if this matter did not come sooner before you for your consideration, and I hope I will obtain from you the justice to which my firm is entitled.

Awaiting your reply, I have the honour to be, sir, yours truly,

FELIX DOEHLING.

Forwarded to Mr. Newbery for his report.

G. C. LEVEY. 29/8/81.

Melbourne, 30th August, 1881.

Sir—In reference to the delay which took place in the appeal made by Mr. F. Doehling, I beg to offer the following explanation :—

After the awards of the jury were made known on the 30th March, a protest was made by Mr. Doehling through Professor Reuleaux that the tests had not been fairly made. This protest was sent to the jury, who replied that the cements had been dealt with by a skilled person, and that if any error occurred it must have been with his knowledge. I investigated this charge, and was satisfied that all the cements had been dealt with in a perfectly fair manner, and reported the matter to Mr. Doehling, who then submitted a series of briquettes from his exhibit as a means of substantiating his appeal; these were broken in the usual way on Holste’s machine in the jury offices by Mr. Doehling and Mr. Bahse of the German Court; several briquettes were very imperfect, and showed a greater range than even the jury briquettes. This test not having substantiated the protest, the matter fell through.

On the 28th April a letter was read at the meeting of the Committee of Jury and Awards from the Acting-Commissioner from Germany; and after I had made a report as to what had been done, the committee decided to reply that the question could not be re-opened.

The German Commissioner again pressed me to personally inquire into the matter, and Mr. Doehling sent me samples of cements for analysis. Owing to other pressing work in the Exhibition some delay occurred before the analyses were finished. I then gave them to Mr. Doehling, who thereupon sent me a barrel of cement from a store in Melbourne; from this briquettes were made under my supervision by a man employed by Mr. Doehling, as well as from barrels of cement marked as “Gostling’s” and “White’s” for comparison; they were all tested after having remained a week in water.

Mr. Doehling was dissatisfied with the result, and a second and third trial was made—the last being with a portion of the exhibit in the German Court; this was satisfactory, and the results are given in my report to you, dated 20th August, 1881. The time occupied in these trials was about one month.

There is no doubt that, had the information brought to light by my investigation been before the jury, this cement would have received the award claimed; but the first complaint was a protest charging the jury’s workman with fraud, and on this charge Mr. Doehling based his claims till after the decision of the Committee of Jury and Awards on the 28th April, 1881.

I have the honour to be, sir, your obedient servant,

(Signed) J. COSMO NEWBERY.

G. C. Levey, Esq., C.M.G., Secretary Melbourne International Exhibition.

1st September, 1881.

Sir—I have the honour to forward, in reply to your letter of 26th inst., respecting the cement awards, a copy of a letter received from Mr. Newbery upon the subject; and I regret to inform you that, after the statements made therein, I cannot do any more, but furnish you with a copy of Mr. Newbery's report, which will be published in the "OFFICIAL RECORD," and which will shortly appear.

I have the honour to be, sir, your obedient servant,

G. C. LEVEY, *Secretary*.

F. Doehling, Esq., 49 Collins-street West.

JURY SECTION XIII. AND XXII.

Class 28.—Perfumery.

Class 46.—Chemical and Pharmaceutical Products.

Class 47.—Chemical Processes for Bleaching, Dyeing.

JURY.

C. R. Blackett, Chairman, Great Britain.
W. Johnson, F.C.S., &c., Great Britain.
S. W. Gibbons, F.C.S., &c., United States.
J. Kruse, Germany.
M. Gallay, France.
Dr. Renzio, Italy.
R. G. Wilson, Victoria.

Baron Von Mueller, M.D., F.R.S., &c.,
Belgium.
P. R. Challen, Victoria.
Jas. G. A. Stitt ,,
H. Brind ,,
S. H. Roberts ,,
J. Robertson ,,

EXPERT WITH JURY—

G. Manley Hopwood, F.C.S., F.I.C., &c.

SIR—I have the honour to submit the following report on the exhibits submitted to jury 13 and 22:—

CLASS 28.—PERFUMERY.

This class, considered in the widest acceptance of the term, was well represented by English and Continental manufacturers, and colonists had a good opportunity for judging the estimation in which the patronage of the antipodes is held, and at the same time of forming some just idea of the lucrative nature that must appertain to this branch of manufacture under circumstances favourable to its prosecution. It is a subject for some consideration why this branch of industry has had so little success in these colonies, where soil and climate are most favourable, that it may be pronounced to be practically non-existent.

A very large percentage of the awards made came under first order of merit, which arose from the fact that the exhibits, as a whole, were of a very high class. In respect to eau-de-cologne, so keen was the competition, and so important has this special toilet manufacture become, that it was deemed necessary and just to the several makers to create for it a special division. Great attention and care was exercised in making awards for eau-de-cologne; and though some surprise was experienced when the names of the manufacturers ranked in each order were revealed, there need be no doubt as to the justness of the verdict pronounced. Eau-de-cologne is probably one of the most notable toilet preparations of the kind the excellence of which depends upon the greatest nicety in manufacture; care in preparation, excellence of aromatics, and purity of spirit must be *sans reproche*, and any slight laxity in one or more of these conditions is certain of detection when the product is suitably compared with a more carefully prepared manufacture.

The eau de cologne prepared by K. Fiévet (Johann M. Farina, gegenüber dem Altenmarkt), Cologne; E. Coudray et Fils, Paris; and J. and E. Atkinson, London, were especially agreeable preparations of this world-famed article. But this must not be read to the exclusion of all the others classified, whether first or second. All were respectively good, and it is pleasant and promising to find two colonial makers—viz., C. A. Atkin, Melbourne, and F. Longmore, Melbourne—obtaining a place beside old well-known firms.

J. and E. Atkinson, London, made a wonderfully fine display of miscellaneous perfumery and toilet preparations. The excellence of the majority of this firm's preparations, and the delicate fragrance of its handkerchief bouquets especially, supplemented by an unique and elegant style of presentation, unsurpassed by any other exhibitor in this class, fully entitled it to special mention and to the first award accorded. The essence of white rose exhibited by them is noticeable as being one of the most delicately fragrant and lasting of the great variety of similar preparations exhibited.

Piesse and Lubin, London, exhibited a great variety of bouquets for the handkerchief, all of the highest merit, combining agreeableness of fragrance with permanence and durability. Their toilet preparations generally were of a superior character; and an especial feature of their exhibit consisted in an assortment of essential fragrant oils of great purity, for which special mention was recorded at the same time that the first award was given for their collective exhibit.

E. Coudray et Fils, Paris, exhibited first-class bouquets, soaps, pomade, and other toilet preparations, and a speciality—a sachet, containing sheets of a highly aromatic paper, called "papier inalterable," suitable for placing with clothing and linen, in lieu of the lavender and rosemary sprigs, so frequently employed.

Roure, Bertrand, et Fils', Grasse, exhibit of perfumes, essential oils, pomades, &c., deserved special notice on account of character and excellence. The essential oils were very fine, as also were the bouquets, while the pomades were of a peculiarly high degree of fragrance. These preparations are made and put up especially for exportation, the bouquets and pomades being as highly concentrated as possible, thereby saving cost in carriage, and enabling retail vendors to put them up (after suitable dilution) in such quantities and forms as may suit each one's particular class of customers. This firm deservedly received first award.

Gustav Böhm, Offenbach, one of the earliest manufacturers of the elegant form of toilet soap, known as "transparent soap," exhibited this article in a great variety of forms, together with toilet soaps of the very finest character. Another speciality in the exhibits of this manufacturer was "soap fruits," which were so true in form and faithful in colouring as to deserve very high commendation, even when regarded as models, and most certainly are worthy of finding a position on any toilet table alongside of works of art manufactured of less homely and utilitarian material. Special mention and first award were well earned by this exhibitor.

F. M. Farina (No. 4711), Cologne, likewise exhibited transparent soaps, together with a great variety of very superior toilet soaps, of various and elegant shapes, and very delicately perfumed. The handkerchief perfumes and other toilet preparations of this exhibitor were of an equally high order, and the manner of packing was in excellent keeping. The exhibit received first award.

L. Leichner, Berlin, exhibited theatrical toilet preparations. This was an unique and most elegant display. The various cosmetics, pomades, powders, pencils, &c., &c., appeared to be of the best description of material, and all showed signs of very careful preparation to suit them for the purposes intended. This was the only exhibit of the kind in the Exhibition, and deservedly received first award.

Calderara and Bankmann, Vienna, displayed a great variety of toilet preparations, all of good quality, and having the additional recommendation of moderate cost, the latter remark applying especially to toilet soaps. First award.

Gottlieb Taussig, Vienna, exhibited excellent toilet soaps, also "fruit soaps," all of very moderate price, and received first award.

A. C. Diedecks Sohn, Vienna, exhibited perfumes and toilet soaps, the latter preparations being very good, and of low price. First award.

G. Oates & Co., Messina, exhibited a variety of very choice essential oils, of which those of bergamot, orange, and lemon were conspicuously worthy of notice. These exhibitors received first award and special mention. Their oils were of a high degree of purity.

C. Hardouin, Penang, also exhibited several specimens of well-prepared essential oils; likewise J. Fisher, Singapore. To both these exhibitors first award was given.

The Apollo Stearine Candle Company, Melbourne, exhibited largely transparent toilet soap, in various shapes. First award.

J. Kitchen and Sons, Melbourne, displayed a great variety of toilet soaps, well made, and perfumed; also, "fruit soaps." For toilet soaps, first award.

J. Bosisto, Melbourne, exhibited "perfumery obtained from native flowers" by the "enfleurage" method of extracting aromatic odours which, by the process of distillation, would be injured and rendered useless. Every credit is due to Mr. Bosisto for this practical demonstration of the applicability of this simple, inexpensive, and elegant method for the extraction of the odours of some of our native fragrance-yielding flowers; and, no doubt, the partial success that has attended his efforts in this direction will prompt him and others to follow up the matter further, till finally an economic success shall be attained. I do not consider it likely, however, that such odours as that obtained from the flowers of the wattle-tree will prove suitable for toilet perfumery. However, there is no reason why fragrance-yielding flowers—such as the jasmine, violet, tuberose, and jonquil—should not be cultivated and collected in quantity, and treated by the enfleurage process with remunerative result. The jury did not give a separate award to this portion of Mr. Bosisto's exhibit; but it is due to him, I consider, to place on record this step towards establishing an industry so suitable to the Australian colonies.

CLASS 46.—CHEMICAL AND PHARMACEUTICAL PREPARATIONS, &c.

A very large proportion of the exhibits in this class were more of a pharmaceutical than a strictly chemical manufacture.

The great "alkali trade" of Great Britain had only one representative—namely, Messrs. Golding, Davis and Co., Lancashire—who exhibited caustic alkali and "bleaching powder" of very superior make and high percentage value, for which they received first award.

Solvay et Cie., of Vrangeville and Couillet, exhibited in both the French and Belgian Courts carbonate of soda made by decomposing chloride of sodium with bi-carbonate of ammonia. The samples exhibited were of excellent quality, and contained a very insignificant quantity of chlorine. The exhibits by the French branch of this firm were slightly superior in this respect to those contributed by the older branch in Belgium.

The manufacture of carbonate of soda from common salt by double decomposition with bi-carbonate of ammonia has been often attempted, and many methods have been the subjects of patents, the earliest of which appears to have been granted in England in 1838. From that date till 1863 all attempts to obtain, on a large scale, carbonate of soda from common salt by this reaction proved only partially successful, and failed to attain to the position of rivals of the famous Leblanc process. Mr. Ernest Solvay, profiting by the experience of others, after much patient labour and some failure, at length contrived and perfected apparatus by which the method of manufacture was made

an economic success. At no distant date the consumption of carbonate of soda by certain of the many important manufactures being established in these colonies will doubtless prompt capitalists to turn their attention to its production, and the Solvay process would seem to possess features that are calculated to make it more suited to our position than the Leblanc method. The former, in brief, requires common salt and carbonate of ammonia ; the first could be manufactured from sea-water, and of the latter our gas manufactories are a never-failing source of supply. The Leblanc method requires common salt, lime, much fuel, sulphuric acid (the transport of which is so costly as to make its local manufacture absolutely imperative where large quantities are consumed), for which must be used nitrate of soda, and a very costly plant erected. From a sanitary point of view the new process is certainly preferable, for whereas Leblanc's method, even under the most careful management, corrupts the air, and pollutes the rivers with its by-products, the "waste" arising from the Solvay process is of inoffensive character, and there are no acid fumes or deleterious offensive gases evolved, whereby vegetation is destroyed, and the neighbourhood rendered all but uninhabitable. Special mention and first award were given to both exhibits.

J. Schlesinger und Söhne, Trencsin, Hungary, exhibited good specimens of potash, raw and refined, obtained from wood ashes, for which they received second award.

All the colonies neglect this industry, which is greatly to be regretted, seeing what an immense amount of timber is annually felled and left unutilised. Also at saw-mills large quantities of sawdust, which might quickly be converted from an inconvenient by-product into money, and in many instances with considerable profit, yearly rot and are lost. It has been incontestably proved by Baron von Müller and Mr. Cosmo Newbery that much of the indigenous timber of these colonies is remarkably rich in potash, and it may well be asked by visitors why this valuable industry is not attempted. In the opinion of the writer many men might readily earn a respectable income by potash-making, and need not suffer many of the hardships experienced by most fossickers and not a few selectors.

Stassfurter chemische-fabrik, Stassfurt.—The exhibit of this association was large and most complete. It contained in all eleven distinct specimens of the several potash, soda, and magnesia salts, also bromine, manufactured by the firms having chemical works at Stassfurt, Leopoldshall, and Douglasshall. Special mention and first award was given for this display.

Cuming, Smith and Co., Melbourne, exhibited an assortment of mineral acids of the very highest class. The pure acids made by this firm left nothing to be desired, and reflected the greatest credit upon their skill and care. They received first award for mineral acids, with special mention. This firm also exhibited artificial manures, for which they obtained first award. Supplementing this exhibit, the firm showed a very complete model of a sulphuric acid plant, which, however, the jury ignored (as not coming under their section) in making their award.

Cuming, Smith and Co. were nominated as worthy to receive the Emperor of Germany's prize.

Felton, Grimwade and Co., Melbourne, exhibited an extensive assortment of chemical products, including mineral acids, together with acetic acid, pure and glacial, &c. Out of the great number of articles shown by this enterprising colonial firm, their carbonate of ammonia is deserving of special mention, together with their bi-sulphide of carbon and carbonate of magnesia, prepared specially for "fluid magnesia," of which they are manufacturers. The general excellence of this firm's chemical and allied preparations was well sustained, and won for them first award for their collective exhibit.

Felton, Grimwade and Co., also Rocke, Tomsitt and Co., Melbourne, showed samples of the *now* pharmaceutical preparation, known popularly as fluid magnesia. The jury decided not to make any special award for this manufacture, but samples

were analysed by me with the following result :—Felton, Grimwade and Co.'s manufacture contained of pure carbonate of magnesia 11·35 grains per fluid ounce, and Rocke, Tomsitt and Co.'s 10·03 grains; so that, considering the nature of the preparation, both manufacturers exhibited first-class articles. It is worthy of note that the "fluid magnesia" exhibits now under notice compare favourably with those shown at the Exhibition held in Melbourne in 1866-7, which were analysed by Mr. J. Cosmo Newbery, B.Sc., F.C.S., &c.

Chemical laboratory discoveries had some interesting examples of elaboration and development in the manufacturing world. The apparently inexhaustible aniline series of dyes obtained a magnificent representation at the hands of A. Poirrier, of Paris. His exhibit of these triumphs of scientific chemistry, that rivalled in their brilliancy and purity of colour the richest and brightest-tinted flowers, and promise to equal in multitude the shades seen ever mingling and intermingling on Nature's pallet, was a monumental earnest of what this branch of science will yet do. A special mention for utility, improvement, and variety, and first award, was given M. Poirrier for his exhibit.

The Badische Anilin und Soda Fabrik, Stuttgart, also displayed a series of aniline colours, all of the highest character; and a specimen of one of the latest applications of chemical synthesis—viz., artificial indigo—was conspicuous. The jury, in giving to this company's exhibit a first award, made special mention directing attention to this achievement of their manufactory.

Hardly less commendable for variety and brilliancy was the exhibit of aniline dyes shown in the Swiss Court by J. Monnet et Cie., of Geneva, which likewise received first award.

Another example of the application of chemical research and synthesis, indicative of advancement in another direction, was made in the exhibit of Haarmann und Reimer, Holzminden, which contained artificial vanillin (vanillic acid?), heliotropin, &c., for which they received first award. These substances (white crystalline and amorphous bodies) are chemically identical with, and possess all the beautiful odour and delicacy of flavour characteristic of, the plants from which their several names are derived. In consequence of the concentrated state of the flavouring substance (vanillin), the manufacturers supply it mixed with fine white sugar, thereby rendering its use for flavouring purposes within easy control.

In the same category as the foregoing ranked the manufacture of salicylic acid and compounds, of which Dr. F. von Heyden, Dresden, made a special exhibit, and received first award therefor.

And the foregoing notice brings one to exhibits appertaining directly to medicine—pharmaceutical preparations. Of this description, as before mentioned, the number was large, and extremely varied, ranging from the rarest alkaloids to the most well-known simples of household dispensing.

The products of opium were largely shown. T. and H. Smith, of Edinburgh and London, so well known as manufacturers of all products of opium, and the discoverers of many of its constituents, exhibited a most complete series, which, besides all the more generally known derivatives, contained two not so well known, opium alkaloids, and a neutral body; also aloine, the purgative principle of aloes. E. Genevoix et Cie., of Paris, exhibited opium and other alkaloids, together with a large assortment of pharmaceutical preparations of the finest description. The Chininfabrik Braunschweig exhibited quinine and chinconidine, alone and as salts; with which the preparations of quinine and strychnine of T. Whiffen, London, kept equal rank. Corbyn, Stacey and Co., of London, exhibited many rare pharmaceutical preparations of great merit. Southall Brothers and Barclay, Birmingham, exhibited, besides pharmaceutical preparations, a special case, containing cod-liver oil, and a series of cod-liver oil derivatives of great interest and value. C. Torchon, Paris, had, amongst an excellent display of pharmaceutical preparations,

"stamped pills," showing the name and strength on each pill. John Richardson and Co., Leicester, made a large display of a similar character, containing as a speciality tasteless pearl-coated pills, a perfectly soluble coating, and several other specialities of merit. W. H. Schieffelin and Co., New York City, exhibited soluble coated pills of a quality equal to any others shown; while Seabury and Johnson, New York City, had the finest display of medicinal, surgical, and other plasters in the Exhibition. There were also some excellent exhibits of medicinal herbs, roots, and barks, among which was the collection sent from the Philadelphia College of Pharmacy, and that of F. Wilhelm and Co., Vienna. J. Bosisto, Melbourne, had a representative exhibit, containing the special chemical and pharmaceutical preparations from Australian vegetation, with which his name, as the original introducer, is connected. The number and utility of these preparations is continually on the increase, both for use in the arts and in medicine. All the above, together with several other exhibitors of this class of preparations, obtained first awards. In very many instances exhibits were suitably tested, but the results of such laboratory work possess no special feature calling for record.

The important industries—soap and candle manufacture—were represented on a scale quite in keeping with their value. In most instances the manufacture of both was carried on in the same works and exhibited in one case, and adjudicated upon as a collective exhibit. There is no necessity to supplement the decision of the jury section by any special remarks. A considerable amount of laboratory work was done, but not so much, especially with respect to the question of household soaps, as the prominence of the subject warranted, had time permitted. The following tabulated results may be of some utility to many interested in the subject.

SOAPS—YELLOW.

Country.	Water (per cent).	Ash (per cent).	Ash calculated on Dry Soap.	Soda in Ash regarded as all Carbonate of Soda (per cent.)	
				Moist Soap.	Dry Soap.
Apollo Stearine Candle Co., Melbourne	18.87	17.04	21.0	9.97	12.28
Cawardine, W. H. .. Sandhurst	17.45	17.38	21.5	10.17	12.58
Kitchen, J. and Sons .. Melbourne	19.26	14.00	17.3	8.19	10.12
Peters, E. P. .. Dunolly	15.51	15.42	18.3	9.02	10.71
Smith, A., and Co. .. Melbourne	11.14	15.39	17.3	9.00	10.12
Mulcahey, J. and J. .. Redfern	8.63	17.20	18.8	10.06	10.10
Tidmarsh, J. .. Adelaide	8.38	16.78	18.3	9.82	10.71
Burford, W. H., and Sons ..	11.41	16.63	18.7	9.73	10.94
Boldermann, W. .. Rockhampton	14.13	15.72	18.3	9.20	10.71
Ruddell, R. .. Bundaberg	14.60	16.00	18.7	9.36	10.94
Kitchen, J., and Sons .. Wellington	9.31	15.94	17.5	9.32	10.24
M'Leod Bros. .. Dunedin	19.21	14.70	18.2	8.60	10.65
Murray, W. .. Hobart	17.33	14.57	17.6	8.52	10.30
Ciofi, L. .. Florence	3.22	15.78	16.3	9.23	9.54
Gianoli Fratelli .. Milan	12.39	18.15	20.7	10.62	12.12
Sanders en Co. .. Leyden	9.52	17.44	19.2	10.20	11.23
Gill, T. .. New York City	14.77	15.92	18.7	9.31	10.94

BLUE AND RED MOTTLED.

Apollo Stearine Candle Co., Melbourne	16.65	17.53	21.0	10.26	12.28
Cawardine, W. H. .. Sandhurst	29.15	16.60	23.1	9.71	13.51
Kitchen, J., and Sons .. Melbourne	15.91	19.62	23.3	11.48	16.63
Peters, E. P. .. Dunolly	6.81	18.67	20.0	10.92	11.70
Smith, A., and Co. .. Melbourne	7.86	20.54	22.2	12.01	12.99
Michaud Fils, Frères .. Seine	10.83	20.40	22.9	11.93	13.40
Cantono, L. .. Biella	11.81	23.80	27.0	13.92	15.79
Meyer, I. .. Genoa	12.31	15.15	17.2	8.77	10.06
Ciofi, L. .. Florence	7.12	17.64	19.0	10.32	11.11
Conti, L., e Figlio .. Leghorn	5.58	18.69	19.8	10.93	11.58
Peri, Giovanni .. Florence	9.78	22.26	24.6	13.02	14.39

SOAPS—WHITE.

Country.			Water (per cent.)	Ash (per cent.)	Ash calculated on Dry Soap.	Soda in Ash regarded as all Carbonate of Soda (per cent.)	
						Moist Soap.	Dry Soap.
Jounet et Serret	..	Marseilles	13.02	18.95	21.8	11.08	12.75
Meyer, I.	..	Genoa	21.48	22.42	28.5	13.11	16.67
Ciofi, L.	..	Florence	15.87	15.95	18.5	9.33	10.82
Conti, L. e Figlio	..	Leghorn	3.83	16.77	17.4	9.81	10.18
Gianoli Fratelli	..	Milan	6.66	17.50	18.7	10.24	10.80
Peri, Giovanni	..	Florence	4.12	22.00	22.9	12.87	13.40
Calamari, P.	..	Milan	4.00	18.38	19.1	10.75	11.17
Mazzurana e Co.	..	Bari	6.24	20.80	22.1	12.17	12.93

NOTE.—In every case the percentage of water was determined with every care, but in the estimation of the amount of ash an equal degree of refinement was not observed; nevertheless, the results are to be regarded as closely approximate.

Taking as the maximum of water allowable in genuine hard soap—30 per cent. for yellow, 20 per cent. for mottled, and 25 per cent. for white—it will be seen from the foregoing estimations that all the soaps submitted to examination came well within these limits, except in the one instance of a blue mottled soap of Victorian manufacture.

However, it should be remembered that, since “hard soaps” lose more or less water in keeping, a low percentage of that ingredient is not necessarily an indication of superior manufacture, but on the contrary is not commendable, for such soap is slow to yield a lather, and therefore its use entails unnecessary labour and loss of time. Several of the Italian samples were exceedingly hard, and could only with difficulty be made to lather.

Messrs. M'Leod Brothers, of Dunedin, exhibited as a speciality samples of bar soap made with elaic acid—a cheap detergent—suitable for many purposes. Respecting colonial soaps, it may be observed that the manufacture of all kinds has attained to a high standard of excellence, and one and all promise to hold their own on any occasion when in competition with European or American manufacturers.

In candles, however, so far as regards those made of stearine, the colonies stood second to none when judged by the standard of the exhibits from some of the most celebrated manufacturers of the old world, as the following statements of results fully show.

As yet the manufacture of paraffin is not found in the list of colonial industries, although the crude material is not wanting. Paraffin candles are, however, made in some of the colonies from imported material. Candle wicks also are all imported, but are suitably treated, in order that they shall be “self-snuffing,” by colonial candle-makers.

STEARINE CANDLES.

Country.		Melting Point.		Solidifying Point.	
		F°.	C°.	F°.	C°.
Erste oesterr Seifensieder-Gewerks-Gesellschaft	Vienna	136	57.77	123	50.55
Manufacture Royale de Bougies D'Anvers	.. Antwerp	129	53.88	123	50.55
„ „ des Bougies de la Cour	Brussels	128	53.33	114	45.55
Apollo Stearine Candle Co. (“Volga” brand)	Melbourne	139	59.44	136	57.77
„ „ (“Apollo” brand)	„	130	54.44	128	53.33
„ „	„	134	56.66	124	51.11
Kitchen, J., and Sons (“Electrine” brand)	..	130	54.44	128	53.33
„ „	„	134	56.66	130	54.44
„ „ (“Petroline” brand)	.. Wellington	135	57.22	118	47.77
M'Leod Bros. (“Adamantine” brand)	.. Dunedin	137	58.33	135	57.22
„ „	„	139	59.44	135	57.22
Tidmarsh, John	.. Adelaide	128	52.74	124	51.11

COMPOSITE CANDLES.

Country.	Melting Point.		Solidifying Point.	
	F°.	C°.	F°.	C°.
Price's Patent Candle Co. Limited .. London	132	55.55	124	51.11
Kiriū-kosho Kuwaisha and Akiyama, T. .. Tokio	124	51.11	119	48.33

PARAFFIN CANDLES.

Price's Patent Candle Co. Limited .. London	132	55.55	130	54.44
Young's Paraffin and Mineral Oil Co. Limited Glasgow	131	55.00	130	54.44

The following tabular statement of results obtained by me in ascertaining the illuminating power of the various exhibits, supplements the above in a highly satisfactory manner, and leaves no room for doubt concerning the general excellence of the stearine candle manufacture that has risen so rapidly to be one of first importance in these colonies.

ILLUMINATING POWER OF CANDLES.

STEARINE CANDLES.

Country.	Number of Candles to the pound (lb.).	Weight of One Candle.	Rate of Consumption per Hour (grains).	Illuminating Power in terms of Standard Sperm Candles burning at the rate of 120 grains per hour.	Illuminating Power of equal weights of Material.	Remarks.
Erste oterr Seifensieder-Gewerks-Gesellschaft Vienna	6	1167.3	143.4	1.122	0.9389	Cup & wick very good.
Manufacture Royale de Bougies D'Anvers Antwerp	6	1161.8	176.5	1.074	0.7304	} Wicks inferior, but cups good.
Manufacture Royale des Bougies de la Cour Brussels	6	1154.0	159.7	1.156	0.8685	
Apollo Stearine Candle Co. Limited Melbourne	6	1176.3	153.3	1.246	0.9753	} In every instance wicks and cups very good.
Apollo Stearine Candle Co. Limited Melbourne	6	1138.9	146.6	1.004	0.8218	
Kitchen, J., and Sons, Melbourne	6	1098.8	157.0	1.138	0.8698	} Cups good.
" " Wellington	6	1137.5	150.4	1.114	0.8890	
M'Leod Brothers .. Dunedin	6	1157.3	165.4	1.141	0.8278	} Wicks ditto.
Tidmarsh, John .. Adelaide	6	1135.0	147.6	1.049	0.8528	

COMPOSITE CANDLES.

Price's Patent Candle Co. Limited, London	4	1757.9	149.1	1.131	0.9159	Wicks good.
Kiriū-kosho Kuwaisha and Akiyama, T. Tokio	18	403.1		not determined		Burn badly. Wicks very inferior, & candles gutter much.

PARAFFIN CANDLES.

Price's Patent Candle Co. Limited, London	6	1155.8	1.260	1.093	1.0410	Wicks good.
Young's Paraffin and Mineral Oil Co. Limited Glasgow	3	2279.6	1.214	1.319	1.3037	Ditto ditto.

Had it been possible to have added a column showing prices, the value of the whole would have been greatly enhanced.

In addition to the stearine, there were exhibited, by Tasmanian makers, tallow candles of good quality.

There were many other important exhibits, such as ultramarines, dye stuffs, tanning materials, &c., &c., the importance of which deserved more extended chemical examination than they received.

GEO. MANLEY HOPWOOD, F.C.S., F.I.C., &c.

JURY SECTION XIV.

Class 29.—Leather Work, Fancy Articles, and Basket Work.

Class 41.—Travelling Apparatus and Camp Equipage.

Class 42.—Toys.

JURY.

Major Clementi, Chairman, Great Britain.
R. S. Danson, Great Britain.
P. Lamal, United States.
O. Meyer, Austria.
R. H. Thatcher, Germany.
L. Moonen, France.

Lieutenant Consiglio, Italy.
R. Heath, Victoria.
G. O. Duncan ,,
M. Callanan ,,
J. Rowbottom ,,

EXPERTS APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

C. N. Beere. | R. A. F. Murray. | S. H. Roberts.

No detailed report has been made by this jury.

EXPERTS' REPORT.

J. B. Fenby and Co., of Birmingham.—I consider that, viewed as camp equipage generally, the frame of the tent, the camp tables, bedsteads, chairs, &c., possess in a high degree the following merits:—(1) Ingenuity of construction, (2) actual usefulness, (3) strength, (4) lightness, (5) portability, (6) capability of being speedily set up, or as speedily taken down, and packed in a minimum of space. They are admirably adapted for the use of surveyors, explorers, travellers, or those whose occupations necessitate frequent changes of residence. I consider this exhibit of camp equipage to be entitled to a first-class award.

JURY SECTION XV.

Class 30.—Cotton, Thread, and Fabrics.

Class 31.—Thread, and Fabrics of Flax, Hemp, &c.

Class 37.—Hosiery and Underclothing, and accessories of Clothing.

Class 38.—Clothing for both sexes.

JURY.

G. Stirling, Chairman, Victoria.
W. Weaver, Great Britain.
T. Walters ,,
J. Andrews ,,
J. C. Young ,,
D. Cook, Austria.
F. Bahse, Germany.
C. Schoessler, France.
C. Catani, Italy.
M. Hautrive, Belgium.

J. Parry, Victoria.
T. Y. Anderson ,,
J. Levens ,,
S. G. King ,,
D. Davies ,,
T. Peters ,,
W. Millar ,,
P. Brodie ,,
T. Smith ,,

SUB-JURY FOR BOOTS.

T. Peters, Chairman, Victoria.
E. Speyer, Germany.

L. Moonen, France.
M. Stöbze, Italy.
G. W. Pralle, Victoria.

J. M'Dowall, Victoria.
J. Matthews ,,

EXPERTS APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

T. W. Mason.
F. W. Beckwith.
L. Hesse.

T. Freeman.
R. P. Mayward.
A. Kinder.
H. J. Ellis.

A. Purse.
J. M'Cullagh.
T. Dick.
W. G. Ludgater.

J. H. Metcalfe.
J. Haslam.
T. W. Warren.

SIR—We have the honour to report on the above section, comprising Classes Nos. 30, 31, 37, and 38. In submitting this report, it may be remarked that the jury felt the duty allotted to them as one of great importance, requiring the utmost knowledge of experts to bring it to a successful issue. The different headings under which we had to make our decisions will show this at once. It must also be taken into account that from the commencement it was impressed upon us that value in relation to price was constituted a prime factor in guiding us to all our conclusions; therefore, if exhibits otherwise deserving of mention have been omitted, it is entirely attributable to their highness in this respect.

The total number of exhibits adjudicated upon was 479. Due consideration was bestowed in every instance before determining, some, indeed, of the number requiring as many as four or more visits.

Special attention was devoted to sewing cottons, as bearing on the wants of the people; and it was only after long and careful consideration, during which the different exhibits were subjected to a crucial and exhaustive test, that the jury unanimously decided to give to Edmund Ashworth and Sons, Bolton, the only first award; its much greater strength placing it before all others, not only for sewing machine purposes, but also for hand sewing.

The paucity of exhibits offered for our inspection by Manchester manufacturers was much regretted, and it would have been a matter of congratulation had others entered into competition. At the same time, we could not be otherwise than satisfied with the large exhibit of bleached calicoes by Crewdson, Crosses and Co., Manchester, showing their different varieties; and which for their general excellence, quality, and cheapness, received a first award.

To Walter Crum and Co., Manchester, the jury gave a first award for their very fine show of printed cotton goods, sateens, &c., for their splendid printing, brilliance, and harmonious blending of colours, together with the quality and comparative cheapness.

The exhibit by Haslam and Co., Manchester, of plain muslins, brocades, sateens, &c., the jury appreciated highly, and for quality and price placed them in the first order of merit.

The exhibit of Thibaut, Autin and Lapersonne, of Rouen, comprising printed and velours moleskins, well merited the first award given for beauty of design, excellence of quality, with cheapness combined. This firm obtained a higher position in our awards than any other of the French competitors.

The black and white dress goods shown by A. Manchon, Rouen, elicited general approbation, and they fully deserved the first prize adjudged. The cretonnes and prints of soft finish exhibited by Keittinger and Fils, Lescure, were very much admired for their style, colourings, and quality, which were considered fully equal to any shown.

In the Austrian Court we had brought under our notice the magnificent exhibit of G. A. Fröhlich's Söhne, of Vienna, consisting of plain and embossed velvets, velveteens, and cotton tweeds, and which, in our opinion, for quality and arrangement of colourings of the first two, and especially for taste displayed in choice of patterns for cotton tweeds, could not be surpassed.

The exhibit of the Wamsutta Mills, New Bedford, in plain and twilled cottons, was highly praised, both for quality and skill in workmanship. The prices quoted, however, so far ruled them out of competition that they were only awarded a second order of merit.

Next in order was the very important industry of linen threads and fabrics, and the jury could not avoid expressing their gratification at the extent of the exhibits placed before them, and awarded several first orders of merit. However, the exhibit of Marshall and Co., Leeds, of linen threads, fully entitled them to the premier position for quality, strength, evenness, and value.

We have also much pleasure in recording our opinion with regard to the exhibits in the Belgian Court, shown by Druwe et Henderickx and Eliaert-Cools, of Alost, of sewing and lace threads, from the ordinary thickness up to the very highest numbers, which deserve the highest commendation.

Hassebroucq Frères, Paris, had also an exhibit of linen threads, which, for quality and price, could not be excelled.

In linen fabrics the York-street Flax Spinning Company, Belfast, take foremost rank. This exhibit was unanimously accorded special mention for its extent, quality, and price, together with its other excellencies.

In the French Court our attention was drawn to a magnificent display of damask cloths, napkins, towels, &c., by Meunier and Co., Paris. Their very fine quality, beautiful patterns, and novelty of design certainly qualified them for the highest order of merit.

A larger exhibit, embracing a more varied description of linen fabrics, was that of Magnier, Brunet, Duplay and Co., Paris, which also merited a first award.

E. Berger and Co.'s, of Freudenthal, exhibit in the Austrian Court met with our warmest approval, and an unanimous vote of first award. In the same court H. Klinger's, of Vienna, very fine exhibit was considered fully deserving of first order of merit.

K. H. Schiffner, and K. E. Hänsch, Gross-Schönau, made a very creditable display of table cloths and napkins; each receive first awards.

C. Mackintosh and Co., London, showed a large assortment of waterproof clothing, leggings, gig wrappers, &c., which, for excellence of manufacture, novelty of design, and cheapness, placed them superior to any that came under our observation; although Bartrum, Harvey and Co., London, may well be mentioned as justly entitled to a first award, which they have received.

We had to examine a large number of exhibits of men's and boys' clothing. In some instances keen competition existed, although there was little trouble in

arriving at the conclusion that D. Schwarzmunn und Co., Vienna, had successfully competed for first award in style, quality, workmanship, and surprising cheapness. At the same time, M. and J. Mandl, Prossnitz, Moravia, nearly approached them, in a very fine exhibit of a like character.

The jury unanimously concurred in the opinion that the fine exhibit of silk and other hats shown by J. E. and W. Christy, London, had no rival for excellence of manufacture, style, quality, and cheapness. This was considered a very exceptional exhibit, and it was particularly recommended that it should receive special mention; also, that a certificate to that effect should issue from the Commissioners.

The jury were agreeably surprised at the exhibit of T. Shelmerdine, Collingwood, which comprised soft felt and fur hats in all stages of their manufacture. Most, if not all of us, were astonished that such a factory was being worked in our midst. Still more were we amazed at the extent and magnitude of its trade, and it was unanimously recommended as a fit competitor for the Emperor of Germany's prize for colonial industries. It certainly had in its favour the circumstance that wool, hares' and rabbits' furs are so plentiful in this colony; but the high price of labour obtaining here must have taxed the energy of the proprietor to place at this Exhibition goods of such a character and value as to successfully compete with exhibits from British and Continental manufacturers.

The Bielefeld joint exhibit of shirts and shirt fronts justly entitled them to a first award for quality and price.

It is a matter of regret that the manufacturer's prices of shirts, collars, &c., made at the Braeside Shirt Factory, Richmond, could not be ascertained. In regard to quality, style, and workmanship, they were equal to anything of the kind exhibited.

It would have given more satisfaction had a larger display of hosiery from British manufacturers been shown. To Raguet and Co., Paris, for their very fine exhibit of silk-spun, merino, and cotton hosiery, the jury had much pleasure in giving a first award. Also to Thuillier Poisson, Paris, for fancy hosiery, a like award, with almost the same degree of praise. The jury wish to remark that an exhibit of lambs'-wool hosiery in the New Zealand Court, manufactured by the Mosgiel Woollen Company, Dunedin, shown to them, was in every respect equal in quality and finish to any similar exhibit in the other courts. The prices quoted, owing, no doubt, to the dearness of labour in that market, placed them in the second rank. Should we as a colony at any time enjoy the benefit of intercolonial free-trade, a grand future will be opened for that industry.

F. Bapterosses, Paris, received an unanimous first award for his very fine exhibit of buttons. May Frères, Paris, and I. Krehan and M. Salcher und Söhne, both of Vienna, deservedly rank high for quality, style, workmanship, and cheapness.

Several very fine exhibits of artificial flowers, feathers, and millinery were placed before us, but those of the *Chambre Syndicales des Fleurs*, Paris, much surpassed the others for elegance and taste.

The exhibit of Flatau and Fuchs, Berlin, of ladies' and girls' dresses and jackets, in great variety, was strongly recommended.

There was severe competition amongst glove manufacturers, and a large number of first awards were given, but the jury unanimously placed the exhibit of F. Calvat and Co., Grenoble, at the head of the list.

Bailey and Kerr, Cape Town, shewed some magnificent ostrich feathers, which for finish, quality, and price, were unequalled. First award.

C. Falcimaigne Fils, Paris, had a very creditable exhibit of umbrellas and parasols, surpassing any other collection.

We specially commend the exhibit of fans shown by Ernest Kees, Paris, as being by far the best we had seen.

GEORGE STIRLING, *Chairman.*

EXPERTS' REPORTS.

Lincoln and Bennett, London.—The silk hats, pullovers, and all the goods in their case are equal in every particular to any other shown ; we therefore consider they deserve a first award.

De Clermont et Cie., Paris, exhibit a case of very superior soft felt hats of excellent manufacture and at a reasonable cost ; we think they deserve a first award.

E. Hillier, Melbourne, has shown some silk hats made in Melbourne, equal in quality and finish to any in the Exhibition, and we think he deserves a first award.

Dudon and Beaupin, Melbourne.—I have thoroughly examined the exhibits of wigs and hairwork of this firm, and find them composed of first-class articles ; the workmanship is of a very superior order, and the arrangements of a high artistic class, comparing favourably with any made in the best establishments at home, and in my opinion deserving the highest award.

Aguellet Frères, Paris.—We have been carefully through this exhibit, and are of opinion that it is deserving of a first award. The makes of their ladies' untrimmed hats are of a very superior quality ; the fineness of the straw, tuscan, and beaver exhibits are better than any we have hitherto seen in the colony. Taking the exhibit as a whole, we consider it a display of first-class fashionable goods, and therefore recommend the jury to give them a first award.

De Saxe and Co., Melbourne.—The exhibit of umbrellas fairly entitles them to a first award, as it is in our opinion one of the best exhibited.

T. Gittus, Melbourne.—On carefully examining these goods we are of opinion that he is fully entitled to a first award, more particularly for his umbrellas, which are manufactured in considerable variety and are of first-class material, make, and finish, and also moderate in price.

E. Harrison and Co., London.—Cotton fancy dress goods.—Taking this exhibit as a whole, we consider they are well deserving of a first award for the following reasons—cheapness, variety, colour, and general adaptability to public wants.

J. D. Spedding, Melbourne.—We made a very careful examination of this exhibit, which consists of a great variety of ladies' underclothing, ladies' and children's embroidered goods, infants' cloaks, frocks, &c. As an individual or collective exhibit, we consider it the best in the Exhibition. The goods are all beautifully made, nicely designed, and of the best quality. The embroidery on the robes, with hoods to match, are well worthy of mention, the designs being quite new, and are copies of the early English patterns now so fashionable. A child's cashmere cloak, with quilted satin facings, we also consider very fine. We therefore recommend a first order of merit.

Fownes Bros., London.—I have examined the samples submitted of this firm's gloves, and consider them superior in quality and make to any I have seen in the Exhibition, and consider them entitled to the highest award.

Welsh, Margetson and Co., London.—I have examined the exhibit of this firm, and consider they are first-class goods and worthy of the highest award.

Swainson, Birley and Co., Preston.—This exhibit consists of nine different ranges of makes. After carefully examining these goods, we feel it our duty to recommend this firm for a first order of merit on the following grounds—cheapness, quality, finish (being very free from dressing), and for variety.

D. H. Pollak (Wiener Schuhwaarenfabriks actiengesellschaft), Vienna.—Boots.—Taking this exhibit as a whole, and considering the very low price, I am of opinion that it is first-class, and accordingly recommend it a first award.

A. R. Löwenstein, Vienna.—Ladies' Boots and Shoes.—I recommend this exhibit a first order of merit for excellence in workmanship.

JURY SECTION XVI.

Class 32.—Worsted Yarn and Fabrics.

Class 33.—Woollen Yarn and Fabrics.

Class 35.—Shawls.

JURY.

M. F. Bahse, Chairman, Germany.
J. Pope, Great Britain.
R. T. Newbold, Great Britain.
P. Brodie, Austria.
H. Courmeaux, France.
Carlo Catani, Italy.

P. Lamal, Belgium.
W. Elms, Victoria.
J. H. Halliburton, Victoria.
Robert Bethune "
James Batterbury "
Walter Brown "

EXPERTS APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

G. Stirling. | T. Freeman. | W. G. Ludgater.

CLASS 35.—SHAWLS.

SIR—The exhibitors worthy of special notice under this head were F. Liebig, Reichenberg; Cranston and Elliot, Edinburgh; F. F. Firth and Son, Brighthouse; P. Reifschneider, Glauchau; and Badri Dass, Bengal; all of whom exhibited goods which the jury considered of the highest merit.

CLASSES 32 AND 33.—WORSTED AND WOOLLEN GOODS.

The exhibits claiming particular recognition in these classes were Handels-und Gewerbekammer (Brünn), Peltzer (Verviers), Chambre de Commerce (Rheims), Chambre de Commerce (Elbeuf), G. Samson (Kottbus), J. van Gülpen (Aachen), who exhibited the best black cloth; Reimann and Meyer (Elberfeld), who were commended for their excellent vestings and mantle cloth; Marling and Co. (Stroud); S. Salter and Co. (Trowbridge); W. Bliss and Son (Chipping-Norton), who displayed a great variety of goods, including shawls and rugs. The Mosgiel Woollen Mills, Dunedin, who excelled with their shawls, which, with their tweeds, blankets, and hosiery, placed them in the first rank, and caused the jury to recommend them as candidates for the Emperor of Germany's prize; and the Albion Mills, Geelong, who exhibited the best colonial tweeds, and were likewise nominated as candidates for the Emperor of Germany's prize on account of the excellence of their goods.

M. F. BAHSE, *Chairman.*

JURY SECTION XVII.

Class 34.—Silk and Silk Fabrics.

Class 36.—Lace, Net, Embroidery, and Trimmings.

JURY.

S. J. Payne, Chairman, Great Britain.
E. Lichtner, Austria.
M. F. Bahse, Germany.
C. Schoessler, France.
Pietro Baracchi, Italy.

J. F. Macrea, Switzerland.
T. Y. Anderson, Victoria.
James Reid "
G. Stirling "

EXPERT APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

R. P. Maynard.

No detailed report has been made by this jury.

JURY SECTION XVIII.

Class 40.—Portable Weapons, and Hunting and Shooting Equipments.

Class 44.—Products of Hunting, Shooting, Fishing, and Spontaneous Products, Machines, and Instruments connected therewith.

Class 66.—Materials and Apparatus for Military purposes.

JURY.

Colonel P. H. Scratchley, R.A., Chairman,
Great Britain.

Professor M'Coy, Great Britain.

Captain O. Wagemann, Germany.

Lieutenant Carnevali, Italy.

P. Villanis „

Captain Phelan, Victoria.

Major Shakespear „

Hon. J. Woods, M.L.A. „

William Johnson „

W. E. Murphy „

P. Harrington „

No detailed report has been made by this jury.

The following analyses were made on behalf of the jury :—

Industrial and Technological Museum Laboratory, March 2nd, 1881.

Report on five samples of lithofracteur and dynamite submitted by the chairman of Jury XVIII.

Australian lithofracteur (1) contains 70·4 per cent. of nitro-glycerine. No exudation. Is free from acidity.

Australian dynamite (2).—Large amount of nitro-glycerine exuded ; wrapper also saturated. More nitro-glycerine has been put in than it can hold. It is an unsafe mixture. This sample would be condemned in England, and destroyed.

German (1) dynamite contains 68·4 per cent. of nitro-glycerine. Exudation small ; acidity slight. Nitro-glycerine separates at once from sample on addition of water.

German (“0”) dynamite contains 76 per cent. of nitro-glycerine. Very slightly acid.

German (“00”) jelly.—Mixture of nitro-glycerine, soluble cotton, and camphor.

FREDERIC DUNN, *Analyst*.

JURY SECTION XIX.

Class 43.—Products of the Cultivation of Forests and of the Trades appertaining thereto.

JURY.

Jos. Snowball, Chairman, Victoria.

Thomas O'Grady „

Baron von Müller, K.C.M.G., &c., Great Britain.

Charles O'Neil, Great Britain.

EXPERTS APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

G. Manley Hopwood, F.C.S., F.I.C., &c. |

R. S. Danson.

SIR—The International Exhibition of Melbourne afforded among its various displays an opportunity for obtaining further knowledge of the timber resources, not only of Australia, but also of several other parts of the globe. But collections of wood for

exhibition purposes are generally made up rather for numeric extensiveness of objects than with a view of bringing what is exhibited into commercial and technical use ; and it becomes, therefore, often necessary, in examining wood specimens, to distinguish between those really available as raw material for industries and those merely displayed for showiness or curiosity. In glancing over the woods displayed in various Courts of our International Exhibition, the palm had to be conceded to British India for the extensive variety of its wood samples, though small in their size. Tropical Africa and America may cope with South Asia in future grand fairs of the world also in this respect, but in India alone have the tropical timbers been subjected to accurate and extensive investigations respecting the distribution and abundance of the trees, the structure, texture, and specific gravity of their wood, and the special adaptability of the very varied timbers for the purposes of builders, joiners, and all other artisans who utilise wood in their trades. But even in India much has yet to be learned on the natural frequency or scantiness of particular kinds of trees, the accessibility of supply, their power of recuperation, their facility of being reared, their adaptability to particular localities, the rate of their growth, their bearing-power and durability, especially as regards the latter quality when employed for underground structures. India, however, through large and well-organised departments, has been enabled to place before the world very extensive records upon the constituents of its forests ; and when we refer to Dr. Cleghorn's voluminous documents on the forests of Madras, to Dr. Falconer's reports on the woods of Tenasserim, to Stewart and Brandis's elaborate forest-flora of North-western and Central India, to Colonel Beddome's largely illustrated flora sylvatica of the Madras Presidency, and to Dr. Kurz's meritorious forest-flora of British Burmah, a wide insight into the Indian timber supply and its practical application may be obtained without tedious reference to scattered and often incomplete data in isolated documents or in journals not readily accessible. Thus, through the literature alluded to, anyone interested in the trade or utilisation of timber can arrive at some fair conclusion as to the respective values of the different woods exhibited in the Indian Court, in comparison with the teak, red cedar, sal, sissoo, deodar, ebony, satin and rose wood, and the few others well known in the general commerce with India ; and with the aid of these works it might be ascertained to some extent how many of the exceedingly numerous kinds of Indian trees from various altitudes and climatic regions could be chosen for forest culture elsewhere with the best prospects for commercial and industrial gain, while by the same means the technical value of any new kinds of wood entering the trade from thence may be judged.

Next to the Indian wood collection for numerical extent of different kinds stood the superb series of timber specimens displayed by New South Wales ; as a whole, the collection occupied a foremost position for the size and soundness of the samples, while the fitness of many of the select species for ornamental furniture and for many sorts of implements was well demonstrated by the careful planing and polishing to which these wood-exhibits had been subjected. Nevertheless, as in the case of the rather numerous variety of excellent specimens of woods from Queensland, any considerable traffic has hitherto been limited to comparatively few species ; and it remains to be ascertained what sorts occur sufficiently frequent to enter the market in quantity and at moderate price, and how many kinds can compete in ease of working, or degree of durability, or beauty of appearance, with the timber of the red cedar, the ironbark trees and other leading eucalypti, the blackwood acacia, araucaria kauri and podocarpus pines, yellow-wood, tulip-wood, gmelina and grevillea tree, maba ebony, and a few other sorts of mercantile timber of East Australia. Again, the question arises also, as to which species of trees are most rapid in growth and require the least expensive treatment for entering the domain of forest culture. As we proceed in Australia to the cooler southern latitudes, the bewildering diversity of the tree vegetation of the intratropic and sub-

tropic zones gives way to a far more limited number of timber species—they are no longer counted by the hundreds, the aspect of the forests becomes more monotonous, and gregarious species replace the scattered kinds; but what is lost in variety is gained by the abundance of the fewer forms, fortunately many of them excellent in their way for the purposes of industrial life.

Thus Victoria can pride itself on its masses of the famous rapidly-growing blue-gum tree, its easily worked stringy-bark trees, its redgum and ironbark trees of extraordinary durability of timber; its box-eucalypti of several select kinds, singular for the toughness of their wood. Our famous blackwood tree is not only interspersed in the forest vegetation, but also still abounds in many parts of the open country, yielding a magnificent furniture wood; again, in some of the higher altitudes and cooler valleys the evergreen beech forms forests of its own. The eucalypti, however, predominate decidedly in Victorian tree vegetation, numbering many variously important species, and on their descriptive and technological elucidation a special volume has been published by the Government Botanist, whereby a fair guide through the eucalyptus vegetation of Victoria, and of all the other Australian colonies, can be gained. Tasmania and South Australia participate in many of the species of timber trees which form the native wood resources of Victoria; but while South Australia (in its extra-tropic portion) possesses hardly any timber vegetation peculiarly its own, Tasmania can boast in its vast forest regions of its endemic splendid Huon and celery-topped pines; and here alone, beyond Victoria, have the bluegum tree and the beech their home, though the almost incomparable redgum tree does not pass Bass's Straits. Many of the timber samples from Tasmania were of great size and particular excellence. South Australia, from its young but well-organised and well-supported Forest Department, will be able to send large displays of introduced timbers to future exhibitions. Western Australia, so strikingly singular in most of its vegetation, possesses likewise throughout its main forests features quite its own, an enormous area being covered by the jarrah eucalyptus, which tree has become world-famed for the durability of its timber. Also confined to the west of Australia are the York-gum tree, the tuart, and the yate, all counting among the most lasting woods, though, unlike the jarrah, they have not yet come into any regular export trade. The karri, although not so durable, is also of importance when gigantic dimensions of timber are an object. On the "forest resources of West Australia" a special and illustrated publication has been issued by a member of this jury; and it may also in this instance be recommended that the leading eucalypti timber should be transferred from thence to the forests of the south-eastern colonies—a recommendation which forced itself still more on our attention when we noticed the huge planks, the uncorroded though long submersed piles, and the variety of wrought-wood samples in the Western Australian Court.

Still more isolated than Western Australia stands New Zealand in its timber vegetation, peculiar in every respect—a circumstance all the more remarkable when the short distance which separates the great northern island from South-eastern Australia is considered. What is so much wanted here as a natural local resource—namely, pine timber—forms in New Zealand a large portion of the forests, though several evergreen beeches, with a few other kinds of trees, constitute in some localities main portions of the woods. The kauri, miro, totara, and matai are leading pine-trees there, representing a great forestal wealth, enhanced by the large demand already existing in these southern colonies for decay-resisting pine-wood in naval architecture. The display of timber specimens from New Zealand was, as regards kauri, truly magnificent.

Fiji also sent a contribution in woods; but it needs still more extended experience through longer colonisation before we can assign to each of the very varied kinds of timber from that or indeed any other Polynesian group its true mercantile value

or select adaptability, the dendrologic information for technical purposes from thence hitherto mainly resting on passing notes in Dr. Seemann's *Flora Vitiensis*.

Mauritius, Ceylon, and Japan also showed some specimens of native woods worthy of further study, the Japanese trees having a special claim on our attention as being all exquisitely adapted for the forest regions of Victoria; moreover, the exuberant variety of trees, peculiar to the Japanese islands, offers to the workers in timber or ornamental woods a splendid display of pines, oaks, maples, ashes, walnuts, and others of less familiar features. A specific record of the numerous trees of Japan is accessible in the recent work of Franchet and Savatier, while references to the species most important to artisans are contained in the volume "on select plants for extra-tropical cultures," first issued in our metropolis, and subsequently in San Francisco, Calcutta, and Sydney.

Museum collections of wood specimens, such as arise readily in industrial exhibitions, technological institutions, or forest departments, tend much to a due appreciation of wood resources, and may become also to some extent helps in the specific choice of trees for forest culture. One of the most handy and elegant of all forms of wood samples is that in book-shape, adopted by the Government Botanist of Victoria for the Exhibition of 1862-3, and subsequently imitated in other countries for later International Exhibitions, though not now used at our own. This book-form for samples of wood recommends itself particularly for private collections, as requiring comparatively little space, and being easy of access. When cheapness is an object, the woods to be illustrated need merely to be put solidly into book-shape; otherwise it is preferable to have boxes constructed of the wood samples, resembling books, as into such boxes can be put leaves, flowers, fruit, and a portion of the bark of the species, irrespective of any samples of resin, gum, oil, fibre, or other products or educts obtainable from the particular kind of tree. When once the size of such wood books has been fixed, orders according to the adopted pattern could be effected in any country from whence collections or additions may be sought. As in all other museum collections, it is also in this instance desirable to have two sets, the one to be arranged systematically, the other (with some repetitions) geographically, by which means the longitudinal sections of the woods could be simultaneously presented, tangentially as well as radially. The back of the wood books should be polished, and should, in the fashion of ordinary binding, bear the name of the species and its native country. Australia alone could furnish from fully a thousand distinct species of its indigenous trees an imitation library of as many volumes. Accurate records of the strength and elasticity of timber are as yet but scantily extant, considering the vastness of the material to be operated upon all over the world. Crucial tests of durability, by placing experimentally various pieces of carefully selected timber, pile by pile or post by post, into water and soil of various localities for strictly systematic comparisons, have hardly been commenced anywhere. Yet all this should largely influence the choice of trees wherever new or further forest operations are to be instituted, whether on Government areas or private lands, colder climes or in winterless zones like ours, where uninterrupted growth accelerates so very considerably the return from tree plantations. It is also a momentous fact that hitherto forest culture of every country has been limited to indigenous trees, the growth of our bluegum tree by the million in the countries around the Mediterranean Sea and some other regions of the world being one of the few exceptions.

In having glanced generally on the efforts made to bring together the wood samples from various parts of the world for comparative and absolute investigation of their value, we are led to reflect—How long will all the timbers established as excellent in the trade, and to some measure exhibited also on this occasion, remain available? further, to what extent can other and approved kinds from new regions supply their place in the market of the world? and lastly, what measures can be

adopted by forest culture to augment the almost everywhere declining or inadequate supply of really serviceable timber? On this occasion the future wants of Australia mainly concern us here, and to them merely will we devote a few passing words. Like every other country, so far as climate admits, our colonies should also strive to render themselves finally independent of imported timber, the sources of which are becoming more and more exhausted by the increasing demands of a population almost everywhere augmenting. We should also endeavour to adequately secure for growth in Australia every kind of timber trees best fitted for the multifarious requirements of our daily life; and we should avail ourselves of the fortunate circumstances which give to this our southern continent all the climatic zones needed for whatever vegetation of any country we wish to allot Australian homes. Europe in all times to come will have to rely mainly upon foreign products; in Australia, by prudent foresight and strenuous labour, we can collect independently around us, in one tract of the country or the other, all vegetable treasures, whatever they may be, and from wherever they may originally come.

The earlier we act on this principle, the sooner will the advantages be reaped. The magnificent forests of red cedar, restricted with us to Eastern Australia, are all but gone, excepting in a few secluded regions, so that the mercantile price of this unique wood has already doubled, with the prospect of a manifold increase in the future. Whether the Singapore or other cedrelas can be substituted for any length of time for what we had in Australia ourselves, and what we have largely wasted, seems quite problematical. Within our own colony the forests of the unsurpassable redgum and ironbark trees will soon be expended treasures of the past, nature not even being allowed to proceed in an undisturbed process of restitution, and the hand of man being yet nowhere active to aid her effort of regaining in the time of several generations what was lost or sacrificed in one. Our splendid blackwood trees, not over-quick in growth, are fast disappearing, however common they naturally were, and that which is shooting up under adversities to replace what is gone, has but a limited or partial chance to attain to the perfection necessary for really important utilitarian purposes. Timber-pines, through a few champions of arboriculture, were planted here by thousands instead of the hundreds of thousands which will be requisite early in the next century. Land, bearing the noblest of trees, is alienated from the pristine forests all over Australia at a mere fraction of the price which, ere long, the timber alone would realise; the magnificent wood growth of ages being swept away by axes or fires as a worthless incumbrance. Stately kauries will soon be nowhere left, while new forests of them may slowly struggle on for a precarious existence. The best of pines, oaks, ashes, and maples will soon become, even under the stringent forest management of Europe, inaccessible to extra-European countries; while North America gives up its splendid species of these and other highly requisite trees without much regard to the likely demands of a subsequent time, and the future calls of a vastly increased population, though private enterprise is commencing there to raise forests on new ground, but at a rate utterly out of proportion to the progressive annihilation of the virgin woods. Walnut-trees for timber will soon become as scarce as West Indian mahogany, and at best we shall have to wait till the middle of the next century before a cultivated supply will arise proportionate to the wants of the age. So far as we can see, in glancing around the world, there is not a single kind of tree on the surface of the globe for which adequate and permanent provision is made with any enlightened cosmopolitan views for future wealth and benefits.

Unquestionably, from the clearings of tropical jungles near harbours or navigable rivers in South Asia, Middle Africa, and Central as well as South America, a vast variety of trees will yet come forth for a long series of years, to replenish our future, perhaps, empty timber-yards. But who will foretell the perplexity likely to arise in estimating the adaptabilities of each of these extraordinarily varied timbers, even if sort for sort could be again recognised with exactitude under

scientific surveillance, even assuming that all such timber could be economically brought within the reach of ordinary requirements? The forest question, irrespective of its climatic and sanitary aspect, should here, for mere material considerations, receive, as in all other countries, the fullest attention in the economy and *régime* of states; and even private proprietors should come forward helpfully, and realise that an outlay in timber growth on the poorer and most hilly lands of their estates would prove a safe investment, returning a gradual and finally an ample interest. The treatment of questions like these must necessarily exercise a significant influence on the intercourse, comfort, and industries of all nations, and must contribute largely to the welfare of millions of beings in all future time and in all habitable parts of the globe.

JOSHUA SNOWBALL, *Chairman.*

JURY SECTION XX.

Class 45.—Agricultural Products not used for Food.

JURY.

J. Harris, M.P., Chairman, Victoria.	R. P. Ramsay, Great Britain.
J. Ormond	C. Berghoff, United States.
R. E. W. M'Ivor	C. M. Rosenthal, Germany.
J. Lipshut	H. Lord, France.
W. B. Jackson	Lieut. F. Orsini, Italy.
W. Dean	P. Villanis (substitute), Italy.
Robt. Wright, Great Britain.	

SIR—The jury in the above class beg to submit the following report :—

Cameron Bros. and Co., Melbourne, showed a large and well-assorted collection of manufactured hard tobaccos, consisting of plug, twist, negrohead, aromatic, gold leaf, &c., of very good designs and finish; the leaf used externally and internally was of the best possible description, splendidly prepared, and of excellent aroma and keeping qualities. First award.

T. C. Williams and Co., Richmond, Va., U.S.A., showed a splendid collection of aromatic twist and plug tobaccos, of very fine designs and finish; the leaf used throughout being of the best quality and aroma, well prepared, and with good keeping qualities. First award.

W. Cameron and Brother, Petersburg, and A. Cameron and Co., Richmond, Va., U.S.A., showed collectively a very fine assortment of twist, plug, and aromatic tobacco, of excellent shapes and finish; the leaf used being excellent in every respect. First award.

Dudgeon and Arnell, Melbourne, showed a very fine collection of twist, plug, and aromatic tobaccos of every description, the shape and finish of the goods being excellent in every respect. The leaf used throughout the manufacture of their tobaccos was very well prepared, and excelled in aroma and keeping qualities. First award. This firm also showed cut tobaccos of excellent quality, well prepared, of splendid aroma, free and pleasant smoking. First award.

W. S. Kemball and Co., Rochester, New York, showed samples of cut, chewing, and perique tobaccos, which for quality, aroma, fragrance, and skill in manufacture were first class. First award.

Compagnie "Laferme," Dresden, showed a collection of cigarette tobaccos, of excellent quality, well prepared, free and of pleasant aroma in smoking. First award.

Cameron Brothers and Co., Melbourne, showed a collection of excellent cut tobaccos, which were first class in every respect. First award.

Allen and Ginter, Richmond, Va., U.S.A., were exhibitors of cut tobaccos, which were well got up, carefully prepared from first-class leaf, and of superior quality. First award.

Moss, White and Co., Melbourne, showed cut tobaccos of uniformly good quality, carefully prepared, and first class in aroma and smoking qualities. First award.

J. A. Hess, Hamburg; Loeser and Wolff, Berlin; H. Zieriacks and Co., Hamburg; Bleckmann Brothers, Arnhem; A. J. Reijnvaan, Amsterdam; and Moss, White and Co., Melbourne, showed collections of excellently made cigars, with good long fillers and wrappers, free smoking, and with good aroma.

Allen and Ginter, Richmond, Va., Compagnie "Laferme," Dresden, and W. S. Kemball and Co., Rochester, N.Y., exhibited large and well-assorted collections of excellent cigarettes, manufactured of the finest tobacco, free and fragrant in smoking.

The following exhibitors showed good collection of light and dark snuffs, excellently prepared, pure and pungent—Mme. Conba, Mauritius; Dudgeon and Arnell, Heinecke and Fox, Moss, White and Co., Melbourne, Regio deir Tabacchi, Rome, and A. J. Reijnvaan, Amsterdam.

The jury recommended for first awards the Brisbane Botanical Gardens, for samples of excellent leaf tobacco, well cured, of good colour and body; and Osenbrück and Co., Hemelingen, for cigar-moulds of wood of good construction; and V. J. Hatterer, Paris, and W. Knepper's successors, Vienna, for variety and quality of cigarette papers.

Gail and Ax, Baltimore, showed splendidly manufactured cut smoking and cigarette tobaccos of first-class quality and aroma. First award.

JOSEPH HARRIS, *Chairman.*

JURY SECTION XXI.

Sub. Class.—Wool.

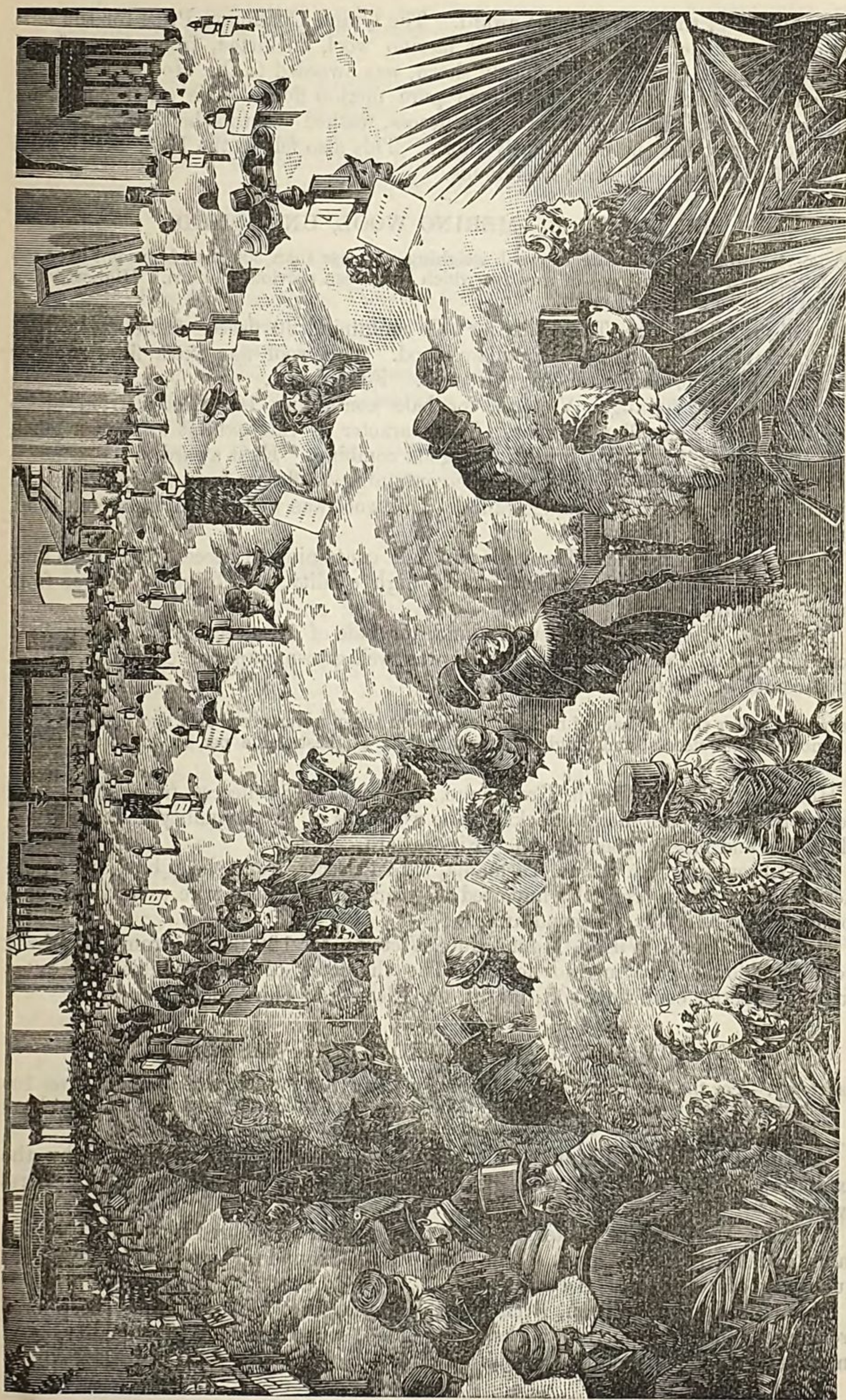
JURY.

W. Hick, Chairman, Victoria.
J. H. Halliburton "
P. Nettleton "
T. B. Schofield "
F. Betz, Tasmania.

W. S. Findlay, South Australia.
P. N. Trebeck, New South Wales.
I. Younghusband, New Zealand.
C. Maquet, Queensland.

SIR—I have the honour to submit to you the following report made by the jury in this section. The exhibits were classified under the various headings described in the catalogue, and the awards have been made in accordance with their relative merits in these classes. In estimating the value and making the awards for wool and mohair, the jurors have taken into account the number of days' growth, and the exhibits have been judged as if free from seeds or burrs; the estimate of value and the weight of each exhibit has been duly recorded.

Three Grand Champion Prizes were placed at the disposal of the jury, two of which were awarded; the third—that for long wool—was not, the jury not selecting



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any exhibitor in that class for the award. The Grand Champion Prize for the best and most valuable 24 washed fleeces of merino wool, unskirted, from ewes of any age, which must have been previously shorn, was awarded to the Hon. Sir Samuel Wilson, for his exhibit from Ercildoune pure merino flock. The other champion awarded was for the most valuable 24 fleeces, washed or unwashed, from ewes of any breed, which have been previously shorn. This also fell to the Hon. Sir Samuel Wilson for merino wool from Ercildoune.

DIVISION 1 B.—MERINO WOOL, UNWASHED.

SECTION 1.—For the best bale of wool, weighing not less than 300 lbs., from not over 100 fleeces, skirted, from ewes of any age which have been previously shorn. Highest value per lb. to be the test of merit.

J. Gibson, Belle Vue, Tasmania, for bale containing 90 fleeces from sheep bred from pure merinos, entirely Tasmanian blood. This wool was extra fine, superior condition, silky, bright, good length, sound. First award.

A. Buchanan, Titanga, Victoria, for bale containing 100 fleeces from sheep bred from pure Australian merinos. The character of this exhibit was extra good, long staple, very fine, silky, bright, soft good combing. First award.

J. L. Currie, Larra, Victoria, for bale containing 78 fleeces from sheep bred from Australian merinos, from Camden rams. This wool was well grown, light condition, rather uneven. First award.

G. W. Keach, Chiswick, Tasmania, for bale containing 81 fleeces from sheep bred from general flock. This exhibit was of high quality, very bright, and free from faults. Second award.

D. Gollan, Mangataratu, New Zealand, for bale of 78 fleeces from sheep bred from Currie and Carngham sires, which was well grown, superior condition, bright good combing. Second award.

SECTION 4.—For the best bale of hoggets' wool, from sheep never previously shorn, taken from not over 150 fleeces, and weighing over 200 lbs. Highest value per lb. to be the test of merit.

Hon. Sir Samuel Wilson, Ercildoune, Victoria, for 88 fleeces from sheep bred from Ercildoune pure merino flocks. The wool was of extra quality and condition, silky, fine and bright, good length. First award.

W. Gibson and Son, Scone, Tasmania, for 94 fleeces, from sheep bred from pure merinos, of a strain originally imported 60 years ago. These were extra long, fine, sound, bright and soft. Second award.

Hon. Sir Samuel Wilson, Mount Bute, Victoria, for 120 fleeces, from sheep bred from Ercildoune pure merino flocks. The character of this exhibit was extra quality, superior condition, soft, bright, good length. Third award.

DIVISION 1 A.—MERINO WOOL, WASHED.

SECTION 1.—For the best bale of wool, weighing not less than 200 lbs., taken from not over 100 skirted fleeces, from ewes of any age. The sheep from which the wool is taken must have been previously shorn. Award to be given for the highest value per lb.

T. Russell and Co., Barunah, Victoria, for 95 fleeces from sheep bred by the exhibitors. This wool was well grown, extra fine, silky, good condition. First award.

T. Shaw, Wooriwyrite, Victoria, for 100 fleeces from sheep bred from pure Camden rams and Learmonth's ewes. This was very fine, sound and well-grown, excellent quality, good condition. Second award.

Hon. Sir Samuel Wilson, Ercildoune, Victoria, for 97 fleeces from sheep bred from Ercildoune pure merino flocks, being good, sound combing, fine quality, good in all respects, good condition. Third award.

SECTION 4.—For the best bale of hoggets' wool, from sheep never previously shorn, taken from not over 150 skirted fleeces, and weighing over 200 lbs. The highest value per lb. to be the test of merit.

Hon. Sir Samuel Wilson, Ercildoune, Victoria, for 145 fleeces from sheep bred from Ercildoune pure merino flocks. Very well grown, excellent in quality and condition, almost perfection. First award.

Hon. Sir Samuel Wilson, Mount Bute, Victoria, for 134 fleeces from sheep bred from ewes and rams of Ercildoune flocks, which were well grown, fine, and good condition. Second award.

SECTION 5.—For the best bale of lambs' wool, weighing 200 lbs., of the highest value per lb.

Hon. P. Russell, Carngham, Victoria, for fleeces from sheep bred from Carngham stud and general flocks. The character of this lot was bright, fine, silky, and excellent character. First award.

Hon. Sir Samuel Wilson, Ercildoune, Victoria, for fleeces from sheep bred from Ercildoune pure merino flocks, which were remarked as bright, fine, silky, and very good. Second award.

Hon. Sir Samuel Wilson, Mount Bute, Victoria, for fleeces from sheep bred from ewes and rams from Ercildoune flocks, the character being bright, fine, silky, and very good. Third award.

DIVISION 1 C.—LONG WOOL, WASHED.

From pure or a cross of not less than 31-32 of Leicester, Lincoln, Cotswold, or Romney Marsh sheep.

SECTION 1.—For the best bale of long wool, weighing not less than 200 lbs., taken from not over 80 ewe fleeces, from sheep which have been previously shorn. The award to be made to the exhibit of the highest value per lb.

Hon. Sir Samuel Wilson, Corangamite, Victoria, for 69 fleeces from sheep bred from pure Lincoln rams, station bred, which were sound, good staple, and bright. First award.

W. W. Hood, Barton, Victoria, for 71 fleeces from sheep bred from pure Lincoln rams and nearly pure Lincoln ewes. This exhibit was of good length of staple, fair colour and strength. Second order of merit.

SECTION 4.—For the best bale of hoggets' wool, from sheep never previously shorn, from not over 100 fleeces, skirted, and weighing over 300 lbs. Highest value per lb. to be the test of merit.

There were two exhibits under this head, neither of which were considered worthy of being placed.

DIVISION 1 E.—SCOURED WOOL.

SECTION 1.—For the best scoured bale of merino wool, weighing over 200 lbs.

Young and Dalgety, Ormarama, New Zealand.—This exhibit was scoured with common bar soap, and was well treated, bright, soft, and good. First award.

L. Kaufmann, Dunkeld, Victoria.—This was stick-washed with soft soap, and was not bright enough, rather heavy, but otherwise well scoured. Second award.

SECTION 2.—For the best scoured bale of long wool, weighing over 200 lbs.

R. P. Williams, Manguleuleu, New Zealand, washed by Petrie's patent machine with soft soap.—This lot was bright, regular, and well managed. First award.

SECTION 3.—For the best scoured bale of merino lambs' wool, weighing over 200 lbs.

A. Douglass, Geelong, Victoria.—This wool was washed with hot water, soft soap, and ammonia, and was bright, regular, and well scoured. First award.

L. Kaufmann, Dunkeld, Victoria.—This bale was stick-washed with soft soap; it was irregular, little dull, but otherwise well treated. Second award.

DIVISION 1 D.—LONG WOOL, UNWASHED.

From pure or a cross of not less than 31-32 of Lincoln, Leicester, Cotswold, or Romney Marsh sheep.

SECTION 1.—For the best bale of long wool, weighing not less than 300 lbs., taken from not over 100 fleeces, from ewes of any age, which have been previously shorn. The fleeces to be skirted. Award to be made to the exhibit of the highest value per lb.

There were seven exhibits under this head, none of which were placed in the first order of merit.

Hon. W. J. Clarke, Bolinda Vale, Victoria, for 58 fleeces from sheep bred from Leicester sheep, imported from Tasmania. This exhibit was of fair quality, good condition, bulky. Second award.

DIVISION 1 G.—EXTRA AND SPECIAL EXHIBITS.

E. G. Greeves, Borriyalloak, Victoria.—An exhibit of washed wool, from two and four tooth sheep, bred from pure Borriyalloak merinos. Highly commended. First award.

R. L. Dyhorenfulth, Jacobsdorf, in Silesia, for washed samples of Silesian wools. Highly commended. First award.

G. Wallis, Welton Dale, Victoria, an exhibit of angora wool. Highly commended. First award.

G. C. Hawker, Bungaree, South Australia, for samples of unwashed wool and photographs from Bungaree. Highly commended. First award.

R. von Meus, Karlsdorf, in Silesia, samples of Silesian wools, washed. Highly commended. First award.

F. H. Schlork and Co., Adelaide.—Wool mats, unwashed. Highly commended. First award.

T. Dowling and Son, Jellalabad, Victoria.—For merino fleeces, washed and greasy. Highly commended. First award.

W. A. Kermode, Mona Vale, Tasmania.—For six merino fleeces. Highly commended. First award.

G. Fairbairn, Lansdowne, Queensland.—An exhibit of hoggets' wool, washed. Commended. Two second awards.

F. H. Schlork and Co., Adelaide.—Samples of dyed wool. Commended. Second award.

C. and J. Degraives, Coliban Park, Victoria.—Samples of merino wool, coloured. Commended. Second award.

J. L. Currie, Larra, Victoria.—For two rams' fleeces from Larra lustre merino flock, in grease. Commended. Second award.

J. D. M'Ainsh, Canning Downs, Queensland. Collection of unwashed wool. Commended.

DIVISION 1 A.—MERINO WOOL, WASHED.

SECTION 2.—For the best and most valuable 24 washed fleeces, unskirted, from ewes of any age, which must have been previously shorn.

Hon. Sir Samuel Wilson, Ercildoune, Victoria.—For fleeces of 355 days' growth from sheep bred from Ercildoune pure merino flocks, 4 to 6 tooth. These were well grown, sound, fine quality, and good condition. Grand champion prize and first award.

Hon. P. Russell, Carngham, Victoria.—For fleeces of 375 days' growth from sheep bred from the Carngham stud flock, 2 to 3 years old. The character of this exhibit was well grown, sound combing wool, good condition. Second award.

J. L. Currie, Larra, Victoria.—For fleeces of 391 days' growth from sheep bred from Australian merino, by Camden (Spanish) merino, various ages. This lot was well grown, medium quality, fairly washed. Third award.

SECTION 3.—For the best and most valuable 24 washed fleeces, unskirted, from 2-tooth ewes which have been shorn as lambs.

Hon. Sir Samuel Wilson, Ercildoune, Victoria.—For fleeces of 355 days' growth from sheep bred from the Ercildoune pure merino flocks, 2-tooth. These were well grown, sound, dense, and of good quality. First award.

W. Gibson and Son, Scone, Tasmania.—For fleeces of 368 days' growth, from sheep bred from merinos bred in Tasmania for 60 years, age fifteen months. This exhibit was well grown, sound, good quality, and fair condition. Second award.

A. Douglass, Caramut, Victoria.—For fleeces of 360 days' growth from sheep bred from Tasmanian rams and station-bred ewes; age, 18 months. These fleeces were fairly grown, sound, fine, good quality, and good condition. Third award.

SECTION 6.—For the best and most valuable 12 washed fleeces of rams' wool, unskirted. The rams must have been previously shorn.

Hon. Sir Samuel Wilson, Ercildoune, Victoria.—For fleeces of 360 days' growth from sheep bred from the Ercildoune pure merino flocks, 2, 4, 6, and 8 tooth. Good staple, sound, extra fine. First award.

DIVISION 1 B.—MERINO WOOL, UNWASHED.

SECTION 2.—For the best and most valuable 24 fleeces, unskirted, from ewes of any age.

E. W. Pitts, The Levels, Dry Creek, South Australia.—For fleeces of 378 days' growth, bred from stock imported by C. B. Fisher, Esq., 4, 6, and 8 tooth. Medium quality, fair length, sound combing, light in grease, extra large fleeces. First award.

Austin and Millear, Wanganella, New South Wales.—For fleeces of 358 days' growth, bred from station rams and ewes, 2, 3, and 4 years. Strong, well grown, good combing. Second award.

James, Sanders and Co., Canowie, South Australia.—For fleeces of 395 days' growth; own breed; age, two years. Strong, good condition, rather coarse, strong combing staple. Second award.

T. Parramore, Ross, Tasmania.—For fleeces of 380 days' growth from sheep bred from pure merinos, 4-tooth, which were classed as superior quality, good condition, well and even grown. Third award.

SECTION 3.—For the best and most valuable 24 fleeces, unskirted, from 2-toothed ewes which have been shorn as lambs.

E. W. Pitts, The Levels, Dry Creek, South Australia.—For fleeces of 379 days' growth, bred from stock imported by C. B. Fisher, Esq. Medium quality, dry condition, and well grown. First award.

W. Gibson and Son, Scone, Tasmania.—For fleeces of 380 days' growth from ewes 16 months old, bred from pure merinos carefully bred in Tasmania. Superior quality, good condition, well grown, good length. Second award.

Austin and Millear, Wanganella, New South Wales.—For fleeces of 358 days' growth; age of sheep, 15 months; bred from station sheep. Medium quality, fair condition. Third award.

James, Sanders and Co., Canowie, South Australia.—For fleeces of 394 days' growth, from sheep bred from stock kept exclusively to themselves for fourteen years. These were of medium quality and condition, good length. Third award.

SECTION 5.—For the best and most valuable 12 fleeces of rams' wool, unskirted.

E. W. Pitts, The Levels, Dry Creek, South Australia.—For fleeces of 365 days' growth, from 4, 6, and 8 tooth rams bred from stock imported by C. B. Fisher, Esq. Medium quality and condition. First award.

Austin and Millear, Wanganella, New South Wales.—For fleeces of 356 days' growth, from rams of mixed ages bred from station ewes and rams. Fair quality and condition, rather heavy. Second award.

James, Sanders and Co., Canowie, South Australia.—For fleeces of 392 days' growth; age of sheep three years, bred from sheep kept exclusively to themselves for fourteen years. Medium quality and condition, good combing, and well grown. Third award.

DIVISION 1 C.—LONG WOOL, WASHED.

From pure or a cross of not less than 31-32 of Leicester, Lincoln, Cotswold, or Romney Marsh sheep.

SECTION 2.—For the best and most valuable 24 fleeces, unskirted, from ewes of any age which have been previously shorn.

W. W. Hood, Barton, Victoria.—For fleeces of 359 days' growth; age of sheep, 2, 3, and 4 years, bred from Barton Lincolns. Well grown and good quality. First award.

DIVISION 1 D.—LONG WOOL, UNWASHED.

SECTION 2.—For the best and most valuable 24 fleeces, unskirted, from ewes of any age which have been previously shorn.

Rutledge Brothers, Farnham Park, Victoria. For fleeces of 365 days' growth, from sheep bred from imported Kirkham stock, age 2 and 3 years. Strong, good lustre, sound, and fair condition. First award.

A. and R. Urquhart, Yangery Park, Victoria.—For fleeces of 366 days' growth, from sheep bred originally from merino ewes with Lincoln rams, 4-tooth. This wool was very rough and cotty. Second award.

D. and W. Blair, Fernhill, Wanganui, New Zealand.—For fleeces of 334 days' growth, from 4, 6, and 8 tooth ewes bred from nearly pure-bred Lincoln rams and ewes. Good condition, sound, and rather cotted. Third award.

SECTION 5.—For the best and most valuable 12 fleeces of rams' wool, unskirted.

R. Hood, Merrang, Hexham, Victoria.—For fleeces of 375 days' growth, 4 years old, from pure Lincolns, bred from imported stock. This exhibit was rough, full staple, heavy condition. First award.

T. Tanner, Riverslea, Heretaunga Plains, New Zealand.—For fleeces of 364 days' growth, from sheep bred originally from imported Lincoln ewes and rams, aged from 4 to 6 tooth and full mouthed. This wool was rough, cotty, heavy, part tender. Second award.

DIVISION 1 F.—MOHAIR.

SECTION 2.—For the best box of 10 lbs. weight of washed mohair.

There was but one exhibit in this class, which was from the Hon. R. Simson, Langi Kal Kal, Victoria, taken from goats bred from does imported from the Cape of Good Hope, and coupled ever since with the Acclimatisation Society's bucks. Highly commended. First award.

EXTRA AND SPECIAL EXHIBITS.

W. Armstrong, Hexham Park, Victoria.—For two exhibits of 12 fleeces each of long wool, lamb's, washed, from station-bred sheep, from merino ewes and Leicester rams, age 4 months, of 112 days' growth. Highly commended. First award to both.

E. G. Greeves, Borriyalloak, Victoria.—For 12 fleeces of washed merino ewes' wool of 380 days' growth, age 4-tooth, bred from pure Borriyalloak merinos. Highly commended. First award.

The whole of the foregoing competitive exhibits have been entered as being shorn from sheep either paddocked or shepherded, and not artificially fed, with the following exceptions:—

Division 1 A, Section 6.—Sir Samuel Wilson, 1 housed.

„	1 B.	„	2.—E. W. Pitts, partly paddocked and partly housed from 1 to 4 months.
„	1 B.	„	5.—E. W. Pitts, partly housed from 1 to 4 months.
„	„	„	5.—Austin and Millear, 1 housed for 5 weeks, and fed on oats and chaff.
„	1 D.	„	5.—R. Hood, 4 housed at night for 4 months.

WILLIAM HICK, *Chairman.*

JURY SECTION XXIII.

Class 48.—Leather and Skins.

Class 61.—Harness and Saddlery.

JURY.

G. R. Fincham, M.P., Chairman, Victoria.
H. A. Crawford, Victoria.
James Garton „
H. A. Smith „
J. P. Cowie „
E. Johns „
Alfred Kinder „
C. Cox „
L. Westerman „

P. Harrington, Great Britain.
E. J. Dixon „
D. G. Clark, United States.
E. Handowsky, Austria.
G. Gibson, Germany.
M. Gallay, France.
P. Villanis, Italy.
M. Turner, Belgium.

SUB-JURY FOR FURS.

L. Westerman, Chairman.
C. Cox.

A. Kinder.

SUB-JURY FOR SADDLES, HARNESS, &c.

J. Garton, Chairman.
M. Gallay.
H. A. Crawford.
E. Handowsky.

P. Villanis.
D. G. Clark.
P. Harrington.
J. Cowie.

EXPERTS APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

E. Wilson.
J. Pearson.

R. Gatenby.

The jury have not supplied a detailed report; the experts reported as follows:—

Davis and Wilson, Birmingham.—This exhibit consists of a splendid lot of whips, of various classes, and of very low price considering the quality; and I cannot but consider them first class, and worthy of first order of merit.

Schmol, Dreyfus and Co., Paris, exhibit waxed and russet calf, superior in quality and finish. First award.

L. Durand, Les Fils de, Paris, exhibit waxed and russet calf and Wellington fronts, which entitle them to first award.

Bayvet et Petitpont, Paris, show a good collection of enamelled, patent, and imitation leathers ; and I recommend them as entitled to a first award.

Alderson and Sons, Sydney, exhibit patent and fancy leathers of superior quality and finish. First award.

Michaelis, Hallenstein and Co., Melbourne, exhibit split or satin hide of first-class quality and well finished, which I recommend for a first award.

J. Cook, Melbourne.—This exhibit of close-plated harness fittings I think fully entitled to a first order of merit, as they are good bosses, well and close plated, well stamped, and well finished. The whole collection is an excellent specimen of workmanship.

JURY SECTION XXIV AND XXV.

Class 49.—Agricultural Implements and Processes used in the Cultivation of Fields and Forests.

Class 74.—Specimens of Farm Buildings and Agricultural Works.

Class 50.—Apparatus and Processes used in Agricultural Works, and in Works for the Preparation of Food.

JURY.

L. E. Page, Chairman, United States.
D. M'Phail, Great Britain.
R. Fulton "
Hon. Thos. F. Hamilton, M.L.C., Great Britain
A. R. Wallis "
J. Mitchell, Austria.
W. H. Wischer, Germany.
H. Lord, France.

Joel Horwood, Victoria.
Charles Yeo "
John Pigdon "
Hon. J. Buchanan, M.L.C., Victoria.
A. Lincolne "
Hon. J. Woods, M.P. "
Robt. Ford "

EXPERT APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

T. Tozer.

SIR—In concluding our labours as a jury, we have the honour to report on some of the leading items of our work as follows :—

We commenced our investigations on 20th November, and concluded them on 2nd of March. In the period named we have examined over 300 exhibits, comprising about 1500 different articles.

Our judgment may, perhaps, be questioned in some few instances ; but, throughout, we have endeavoured, to the best of our ability, to decide honestly and impartially the merits of everything coming under our notice, feeling that the duties of this jury were among the most important of the Exhibition, as they involved decisions upon the merits of exhibits that are of the highest moment to one of the most important industries of the age.

On the 23rd and 24th of last December a field trial of reapers and binders, strippers, and winnowers, was held at Mr. Seward's farm, near Rochester. This was in every respect a great success, notwithstanding the hurry necessary in order to secure suitable crop for the strippers ; and we wish particularly to draw your attention to the fact that we have given the Walter A. Wood machine a special first degree of merit for the superior work done by it without a fault from start to finish, the sheaves being all well bound and regularly laid. The M'Cormick

Harvesting Machine Co. machine was delayed at the commencement of its work through having bad twine, which was continually breaking; but after getting different twine it did first-class work, and rapidly overhauled its competitors, and we have placed it in first degree of merit from its performances and for its superior mechanical construction.

The work done by the other machines was not up to the standard we should like to have seen, and for this reason we placed the D. M. Osborne and Co. machine in third degree of merit. The Deering machine we could not place. The Johnston Harvester Co. machine was unfortunately thrown out of the competition through a portion of its machinery breaking on the road to the ground, which could not be repaired in time for the trial. Victoria was the only country besides the United States exhibiting a reaper and binder: this was a well-constructed machine by Humble and Nicholson, of Geelong, on Ferrier's patent. This machine promises to turn out a very good implement, but on the road to the ground it also met with an accident, which, though repaired, evidently affected its work; besides that, it laboured under the disadvantage of not being managed during the trial by any one who understood it, and, consequently, it never got fairly to work, broke down, and retired early from the contest. The following were the times in which the competing reapers and binders did their work:—

Walter A. Wood, Hoosick Falls	...	...	1 hour 19 minutes
D. M. Osborne and Co., Auburn	...	...	1 „ 47 „
Wm. Deering, Chicago	...	...	1 „ 57½ „
M'Cormick Harvesting Machine Co., Chicago	...	...	2 hours 16 „

The area of crop reaped by each binder and stripper respectively was 1 acre 3 roods 10 perches.

The contest with the strippers excited great interest, as this is evidently the machine, by which the principal work in the more extended warm wheat-growing districts of the colonies in the immediate future will probably be done. It is not, in one sense, what would be called an economical farming implement, as it does not save the straw; but in warm climates, where that is not required for fodder, &c., it is of little consequence when compared with the rapidity and ease with which a crop is reaped by it, and (owing to its requiring so few men to work it) the comparatively small cost at which a crop is got ready for the market. For instance, it can be said, taking the trial as a criterion, that the 1¼ acre was reaped, cleaned, and bagged ready for the market in two hours by the labour of three men and two horses.

The winnower always accompanies the stripper in the field, and two men are required to work it, and one the stripper. While the stripper is reaping, the winnower is cleaning each load the stripper brings, so that in a few minutes after the crop is reaped it is ready for sale, cleaned and bagged in one operation—thus doing away with the double operations and extra number of men required in the use of reaper and thresher. The representatives of the various countries who were on the ground were so much struck with the cheap and rapid manner of harvesting that the Australian colonies were highly complimented for their adaptation of the stripper; and full particulars and details of its construction were, we understand, immediately forwarded to the principal implement-makers in Europe and America, who will most probably enter upon its construction ready for the next harvest. Eight of these machines were on the ground—viz., four from Victoria, three from South Australia, and one from England, made on the colonial model. The following were the times in which they respectively finished their work:—

Joseph Nicholson, Melbourne	...	...	1 hour 51 minutes
T. Robinson and Co. „	...	...	1 „ 55 „
G. Munro, Ballarat	...	...	2 hours 11 „
J. Martin and Co., Gawler	...	...	2 „ 14 „

J. G. Ramsay and Co. (No. 1), Mount Barker	2 hours 37 minutes
„ (No. 2) „	2 „ 47 „
R. Hornsby and Sons (Limited), Grantham } Robinson and Sons, Melbourne ... }	No record kept

The “Pony Stripper” of Mellor Brothers, South Australia, was entered, and taken to Rochester, but was not tried, as neither men nor horses had been engaged to work it, nor were its owners represented on the field. No award, therefore, was made in this case.

Your jury consented—upon learning that R. Hornsby and Sons’ (Limited) machine had not arrived from England in time to qualify as a competitor for exhibition awards, and that Robinson and Sons’ machine, prepared for the Exhibition, was not admitted owing to want of space—if the owners chose to put them in the field for trial, to assign to them what would be their proper relative position to the others if they had been eligible for awards. J. G. Ramsay and Co. having two similar machines on the ground, your jury, considering this was giving them an advantage over the other competitors, made one non-competitive, and the owners elected to be represented for awards by their No. 2 machine. Their No. 1, with those of R. Hornsby and Sons (Limited), and Robinson and Sons, your jury classified as follow, and trust that this classification will be made public, with the awards, for general information, as they consider the owners are entitled to it:—

Messrs. J. G. Ramsay and Co. (No. 1), Mount Barker, first order of merit.

„ R. Hornsby and Sons (Limited), Grantham, second order of merit.

„ Robinson and Sons, Melbourne, second order of merit.

The quality of the work done by the machines of Joseph Nicholson and J. G. Ramsay and Co.’s No. 1 was very superior, and they well deserved the premier position.

In connection with this, we also wish to draw attention to the fact that we brought samples of wheat to Melbourne, showing the work done by each machine, and had them shown, labelled with the different names, for public information, in the Victorian Vegetable Products Court at the Exhibition.

Ten winnowers were on the ground. One of these did not work, and another (that of Robinson and Sons) was non-competitive, for the same reason as their stripper; but we desire to classify it with respect to the others, and therefore place it in the second degree of merit. We should mention, however, in justice to Messrs. Robinson and Sons, that the machine representing them was an old one, that had been a long time in use on Mr. Seward’s farm, and was very much out of order. If it had been all right it would have occupied a higher place. As it was, it did its work very well indeed.

Each machine was allotted an equal quantity of wheat, as delivered from all the strippers and mixed together. The times of doing the work are:—

Joseph Nicholson, Melbourne		4 minutes
Robinson and Sons „		4 $\frac{3}{4}$ „
T. Henderson and Co. „		5 $\frac{1}{2}$ „
Corbett and Peele, Shrewsbury		5 $\frac{3}{4}$ „
R. Hornsby and Sons (Limited), Grantham		6 „
Richardson and Sons, Carlisle		6 $\frac{1}{2}$ „
Hunt and Tawell, Earl’s Colne		7 „
T. Robinson and Co., Melbourne		8 „
Albert P. Dickey, Racine		9 „

It is only right to mention that, with the exception of R. Hornsby and Sons’ (Limited), the English and American machines were labouring under a disadvantage, as they were not fitted with the spiked roller it is found necessary to have in them for the easier cleaning of stripped wheat, and that they were only fitted up for cleaning threshed wheat. They, however, did their work remarkably well under the

circumstances. The elevators and bagging appliances attached to the Victorian and Corbett and Peele's machines deserve special notice for their great saving of time and labour, and the cleanness and rapidity with which they worked. More especially was this remarked in Nicholson's machine, which worked without a fault or check, and was entirely self-cleaning, and bagged everything. Corbett and Peele's elevator, however, was not quite perfect, as there was a loss of time (after the cups had finished their work) in cleaning up by hand, and then putting in the bags.

On the 17th January this jury subjected the wool presses on exhibition to a practical test. Three bales of washed wool, of from 200 to 250 lbs. each, were given to each machine. The time occupied by each was :—

Humble and Nicholson, Geelong	...	...	29 minutes
Robinson and Sons, Melbourne	...	...	34 „
P. Williams	„	...	34 „ 48 seconds

The English press of J. H. Ladd and Co. did not compete, being only for dumping wool. Messrs. T. Robinson and Co. did not enter their press for competition, but your jury, after inspecting it, desire to commend and bring it under the notice of small farmers as a cheap and efficient press, worked by hand.

Humble and Nicholson's press was a low-priced, hand-power machine, which by its mechanical construction is capable of exerting a very high degree of pressure. It was a cheap and useful press, did its work well, and could be worked very rapidly.

P. Williams's was also a hand-power press, but a much larger and heavier than the last-named, and costs more ; but it did its work thoroughly, and was a capital and efficient press for heavy work.

Robinson and Sons' was a steam-power press, but could be worked by hand ; of great strength and capacity, thoroughly suited for large stations and warehouses where the work is heavy and steam-power is obtainable.

On the 14th February we held a trial of rotary grain cleaners and separators in the Exhibition grounds. Seventeen machines competed, as follow :—

- 1 Coleman and Morton, Chelmsford.
- 5 Penney and Co. (Limited), Lincoln.
- 3 R. Boby, Bury St. Edmunds.
- 1 W. Rainforth and Sons, Lincoln.
- 1 L. W. Breuer and Co., Kalk, near Cologne.
- 2 Humboldt Works „
- 2 Mayer and Co. „

Albert P. Dickey, U.S.A., and Richardson and Sons, Carlisle, each sent one, but as they had been in the Rochester competition they were not again tried.

The machine of Coleman and Morton, for simplicity and strength of construction, and the rapidity with which it did its work, was far superior to any of the rest. Of the others represented, we did not consider any, except Penney and Co.'s No. 3 machine, worthy of an award, as their work was slow and bad. The machines of Morton and Sons, U.S.A., to be worked by steam, were not on the ground or prepared in any way for trial, so that jury have not made an award. The machine of R. Bodington, also a steam one, being fitted with proper pulleys and belts, the jury attended twice at its stand, with the necessary grain ; but as neither Mr. Bodington nor his representative were present, although notified to attend, the jury were unable to try it.

In ploughs there was one exhibit to which we wish to draw special attention, as being the best, and that is the double-furrow, with swivel coulters, of Reid and Gray, Dunedin. In finish and construction it was far superior to any other.

In reviewing the exhibits as a whole, Great Britain was well and worthily represented by a large and varied collection of all kinds of implements from the workshops of her leading and world-known manufacturers, notably Messrs.

Ransome, Sims and Head, R. Hornsby and Sons (Limited), J. and F. Howard, Ruston, Proctor and Co., Clayton and Shuttleworth, and others too numerous to particularise.

Germany also showed well with a varied collection of different implements, which all took good positions.

The Victorian Court contained a splendid exhibition of the varied work done in her numerous workshops and manufactories, which would reflect credit on many an older country with long-established agricultural machinery manufactories.

The other colonies and countries were represented to a limited extent in agricultural implements, South Australia being the principal exhibitor.

Unfortunately, the section was deprived of one of its principal portions by the loss of the contribution of the United States of America in the wreck of the "Eric the Red;" the duplicates sent for to take their place did not arrive. We have not, therefore, been able to see, study, and compare with others some of those varied and important improvements in agricultural implements for which that country is so celebrated. We had, however, a few of her labour-saving implements—notably her celebrated reapers and binders—by which we could make some comparisons.

In agricultural implements and machinery generally there were marked evidences of constant improvements being made, which we were happy to be able to notice in our awards, and give to the inventor the benefit of our approval and the recommendation of his work to the agricultural world. In reference to these improvements, we must compliment the colonial manufacturers on the high position they have attained, as shown by the quality of their work and the way they have adapted their machines and implements to the requirements of the Australian farmer; and we unanimously chose Mr. Hugh Lennon as a candidate for the Emperor of Germany's prize.

In many ways the work of the jury has been hampered—firstly, by the non-attendance of a number of the first-appointed jurors, but chiefly by the bad arrangement of the exhibits in the building, and the incomplete information given by the exhibitors in their schedules.

Your jury cannot conclude without expressing their regret that there were not greater facilities for subjecting some of the numerous exhibits—in particular, threshing machines—to a practical test of their capabilities, so that better, more decisive, and far more valuable opinions could have been given of their respective merits, for a mere inspection is not entirely satisfactory to make an award by.

L. E. PAGE, *Chairman*.

EXPERT'S REPORTS.

G. Kent, London.—Domestic Appliances.—I have carefully examined these exhibits, and consider them a most complete list of labour-saving machines, and they are all well finished. I recommend that this exhibit receive a first award.

David Munro and Co., Melbourne.—I have carefully examined the horse-works exhibited by this firm, and recommend that it receive a first order of merit. I consider the exhibit entitled to the highest award, as although perhaps not so well painted as some, it is in workmanship and design fully equal to those already placed in the first order. The use of an iron frame, instead of wood, is, in my opinion, more lasting and preferable.

Dreyer, Rosenkranz and Droop, Hanover.—I have examined the exhibit of this firm, consisting of boiler mountings and other brass or nickel fittings, and consider they are entitled to a first award.

JURY SECTION XXVI.

Class 51.—Apparatus used in Chemistry, Pharmacy, and Tanning.

Class 52.—Machines and Apparatus in General.

Class 53.—Machine Tools.

Class 57.—Apparatus and Processes used in the Manufacture of Furniture and Objects for Dwellings.

JURY.

W. C. Kernot, M.A., C.E., Chairman, Great Britain.
 J. Kennedy, Great Britain.
 G. H. Adams „
 J. A. Kay „
 F. J. Newton, United States.
 A. T. Edwards, Austria.
 E. Speyer, Germany.
 M. Puttmann „

F. Journet, France.
 Sig. S. Gargiulo, Italy.
 P. Villanis (substitute), Italy.
 C. W. McLean, Victoria.
 R. J. Harvey „
 James Blackburn „
 J. F. Droop „
 C. A. Chesney „
 M. F. Bahse „

EXPERTS APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

G. Young.

|

Wm. Howard.

|

Alex. G. Young.

SIR—The Jury beg to submit the following report upon the exhibits examined by them :—

HORIZONTAL ENGINES.

Under this heading were found many interesting and valuable exhibits, and in this department not a few important departures from preceding practice occurred. The more prominent novelties were—

1st. The abandonment of the old-fashioned flat bed-plate, and the adoption of a deep comprehensive frame, containing in one piece the front cylinder cover, the guides, and the crank shaft pedestals. This modification, no doubt, leads to a much firmer and more rigid engine, less dependent upon its foundation, and far less liable to get out of adjustment than the old engines built up of a multitude of separate parts bolted together. On the other hand, any casualty, whether in the way of a defective casting in the foundry, or of a fracture in transit, involves greater loss than under the old system.

2nd. The adoption of overhung cylinders, fixed at one end only and free to expand with changes of temperature. This is undoubtedly a great advance, though in very large engines the propriety of simply supporting the weight without any fixing of the overhung end naturally suggests itself.

3rd. The employment of a bored cylindrical surface instead of the usual flat guides. This is a most excellent arrangement, simplifying construction and ensuring great accuracy, nearly the whole engine becoming one piece of bored and turned work, which, when erected, goes together dead true, instead of needing careful measurement and adjustment by hand.

4th. The employment of a cast-iron disc properly counterbalanced by a segmental weight opposite the crank pin instead of the crank. Such a disc adds greatly to the steadiness and smooth running of a high-speed engine, besides being highly ornamental in appearance.

5th. The employment of small high-speed governors of great sensitiveness instead of the old slow-moving kind. In this direction great ingenuity has of late years been displayed, and highly satisfactory results obtained.

Marshall, Sons and Co. (Limited), Gainsborough, exhibited two horizontal engines of 8 and 12 horse-power respectively, which deserve the highest commendation as respects both design and workmanship. Here we find the comprehensive frame, the overhung cylinder, bored cylindrical guides, high-speed governor, crank disc, and a very perfect automatic expansion apparatus consisting of a double slide, worked from two eccentrics, the stroke of the expansion slide being regulated by a sensitive governor on Hartwell's system, the pendulums of which are inverted. This apparatus conduces greatly to economy of steam, and uniformity of speed under great variations of load, and is of special practical benefit when fuel is dear, or when, as in the case of the electric light, unusual steadiness is needed. The cylinders of these engines were steam jacketed, with a separate steam supply to the jacket, which is always open to the boiler. First award.

A strong and well-made engine was shown by J. Cochrane and Co., of Barrhead. The cylinder was $13\frac{1}{2}$ inches diameter and 24-inch stroke. The bed-plate was of a girder form, with bored guides. This engine was provided with the simplest automatic expansion gear in the Exhibition. The cut-off plate on the back of the slide valve was carried along by friction until its motion was arrested by its rod coming in contact with a wedge, which was raised or lowered by the governor. Blocks of indiarubber were used to prevent noise or jar, when the motion of the valve was checked. This was the only engine in the Exhibition fitted with indicator gear. A smaller engine, presenting no very important peculiarity, was also shown. The workmanship in both engines was decidedly good. First award.

Tangye Bros., of Birmingham, exhibited a splendid collection of stationary steam engines, varying in size from a 20-inch cylinder downward. The largest engine constituted a departure from the well-known type of construction hitherto adopted by this firm, having what is called a girder frame supported at the ends only. The guides were bored out, and the crank disc provided with an ingeniously concealed counterweight. The governor was of the diminutive high-speed pattern, so well known as the patent of this firm; and the fly-wheel, which consisted of two castings bolted together, was very broad, and accurately turned to receive a belt. The engine was provided with a variable expansion slide, worked by a second eccentric. They also showed a very prettily finished engine of 10-horse power, with a separate expansion valve. It was of the very graceful form introduced by this firm some years ago, and which became so soon and deservedly popular. It had flat guides and an adjustable crosshead. A number of other engines of the same form without expansion valves were comprised in the exhibit. There were also several smaller engines of the "Soho" pattern. These were perfectly self-contained, both bearings of the crank-shaft being formed on the one frame. The connecting rod and eccentric rod were of girder section, and the crank pin of very ample size and length. The crosshead was hung in a very ingenious way from two broad, flat surfaces immediately above. For bold originality of design, as well as undoubted strength and ample wearing surfaces, these curious little engines were very noteworthy. The workmanship of all these engines was very good, and the appearance neat and unpretentious. First award.

Messrs. Wright and Edwards, of Melbourne, who were the contractors for the supply of motive-power to the Exhibition, had no less than seven engines on view, the most notable one, and that which they regarded as their real exhibit, being a variable expansive engine, situated in the Victorian Machinery Court. This firm has for many years adopted the comprehensive frame and counterbalanced disc crank, and deserves special credit for having practically demonstrated in this colony the benefits of high speed and simple mechanism, and that at a time when the majority of imported engines were of antiquated types. They do not, however, employ the overhung cylinder or bored guide, the guide they adopt being a broad, flat surface immediately beneath the crosshead. Unlike most makers they, as a

rule, omit all provision for holding the cross-head down, deeming it unnecessary. Should, however, it be required to run one of their engines the reverse way, extra guide-bars must be added, for the attachment of which lugs are provided. The variable expansion was effected by a pair of cut-off plates upon the back of the slide valve, worked by a separate eccentric, and the point of cut-off was varied by rotating the valve spindle, which, being suitably screwed, alters the distance between the cut-off plates. The governor was of a peculiar form, adopted by no other exhibitor, and appeared fairly sensitive. The proportions of the crosshead, crank disc, eccentric rods, &c., were very good, being amply strong, and of pleasing appearance. The diameter of the cylinder was about 13 inches, and the stroke 2 feet, the engine making about one hundred revolutions per minute, and running very smoothly and without noise. The workmanship was highly creditable, and the exhibit, which included the engines, boilers, and several other pieces of mechanism, was deemed of sufficient importance to be recommended by the jury for the prize offered by the Emperor of Germany, as the best colonial exhibit coming under their notice. First award.

The Sächsische Maschinenfabrik, of Chemnitz, exhibited a beautifully finished engine of 10-horse power. The frame was of the girder form with bored guides. The governor was of the high-speed loaded type, and was provided with an air cylinder or dash-pot to prevent sudden and violent oscillations. The distribution of the steam was effected by the usual slide valve, with a separate semi-cylindrical cut-off plate on the back, the steam ports in the main slide resembling the threads of a screw, and the point of cut-off being varied by the partial rotation of the cut-off plate. This latter received its longitudinal motion from an eccentric, and its motion of rotation from a curious piece of mechanism connected with the governor. At each end of the stroke two little leather buffers came in contact with a double inclined plane, raised or lowered by the governor, and, if necessary, rotated the valve, and so altered the grade of expansion. First award.

E. R. and F. Turner, of Ipswich, exhibited their "Gippeswyk" engine, arranged horizontally. This little engine had bored guides, overhung cylinder, a comprehensive frame containing both bearings of the crank shaft, and a most ingenious high-speed loaded governor, the central weight of which was expanded into a hollow spherical shell, within which the pendulums were placed. This governor deserves special commendation. Second award.

E. S. Hindley, of Bourton, showed a strong, well-made, self-contained engine, having large wearing surfaces and improved governor, also very complete adjustments for wear. Second award.

Humble and Nicholson, of Geelong, showed a strong, simple engine. Third award.

Grayson and Co., of Fitzroy, showed a very well made engine of old-fashioned design, and having some rather peculiar points of detail. Third award.

Lugton and Sons, of Melbourne, exhibited small horizontal engines of the usual form. Third award.

Drysdale and Fraser, of Melbourne, also exhibited small horizontal steam engines. Third award.

VERTICAL ENGINES WITH BOILERS.

Marshall, Sons and Co. (Limited), Gainsborough.—This firm exhibited two engines of $1\frac{1}{2}$ and 3-horse power respectively. The former of these was placed on wheels, and was, in a limited sense, portable. The boilers were vertical, with longitudinal seams, double-rivetted, and were most excellent specimens of workmanship. The engines had separate frames of simple and massive form, having the cylinder above and the crank below. The guides were bored out, and the crossheads were provided with a neat adjustment for wear. The bearings of the crank shaft were of somewhat novel design, and the governor, which was of the horizontal high-speed type, was driven by a belt. Both in design and execution these engines merited the highest commendation. First award.

Ransomes, Sims and Head, of Ipswich, exhibited a vertical boiler, with an inverted engine, having a separate frame, the whole mounted upon a casting, forming an ash pan and water tank. The design and workmanship were alike good. First award.

Tangye Bros., of Birmingham, exhibited a vertical boiler and inverted engine, having a separate frame of very elegant design. First award.

The Colts' Patent Fire-Arms Company, Hartford, Connecticut, exhibited an excellently designed engine, mounted on the top of a vertical cylindrical boiler, inside which the cylinder was placed, while the crank-shaft was supported overhead by massive standards. The bearings in this engine were unusually large, and were provided with a lining of white metal. This engine was tested under steam with highly satisfactory results. First award.

In addition to these, a large number of small engines of very good quality were awarded second order of merit.

GAS ENGINES.

Crossley Bros., of Manchester, exhibited three "Otto" silent gas engines, of 6, $3\frac{1}{2}$, and 1-horse power respectively. The cylinder was used as a compressing pump and a motor cylinder alternately, a weak mixture of gas and air being taken in and compressed during one revolution, and exploded, or rather burnt, during the next. The preliminary compression enabled a much weaker dilution of gas to be used than would be otherwise possible, and the alternate action was controlled by a system of valves worked from a shaft, making one revolution to every two of the engine. A sensitive governor regulated the admission of the gas to the cylinder. These engines consumed from 20 to 25 cubic feet of gas per actual horse-power per hour; they had no glands to pack, or gauges to watch; they required no attendance beyond that necessary for lubrication, and they worked with great smoothness and regularity. First award.

STEAM FIRE ENGINES.

Three of the above machines were exhibited, two being from the establishment of Messrs. Shand, Mason and Co., of London, and the third from Messrs. Merryweather and Sons, of the same place; and a competitive trial took place in the presence of the jurors between the larger of Shand, Mason and Co.'s engines and Messrs. Merryweather and Sons'.

Shand, Mason and Co.'s larger engine consisted of a vertical cylindrical boiler, having an internal fire-box, provided with a series of transverse tubes (sloping), through which the water in the boiler circulates. To this boiler were fixed, in a vertical position, three steam cylinders, which actuated directly three pumps of the bucket and plunger type, the length of the stroke being limited by a crank shaft having the cranks at angles of 120° with each other. The distribution of the steam was effected by slide valves of the ordinary type, the slide valve of each cylinder being worked through the medium of a rocking shaft, from a piston of one adjoining cylinder. The pump valves were of the mushroom type, comparatively small and numerous. The engine was provided with a feed pump, worked from an eccentric on the crank shaft, an injector, and a communication whereby water might be forced, if required, direct from the main pump into the boiler, and was supported on large wheels, suitable for rapid transit.

Merryweather and Sons' engine resembled that already described in outward form. The boiler, however, was fitted with Field tubes hanging in a vertical position over the fire, and the water space around the furnace also consisted of a series of tubes in contact with each other. There was but one steam cylinder, placed in a horizontal position, and connected directly to a horizontal double-acting pump. There was no crank shaft, and the steam valves were moved by a twisted rod embraced by an arm projecting from the piston rod. The pump valves were simply

hinged flaps placed beneath the cylinders, and accessible by removal of plates. A feed pump and injector were provided, and also a communication whereby the water might be turned directly from the main to the boiler; and travelling wheels, with suitable axles, and wheels and springs, enabled the machine to be rapidly moved.

The subjoined table contains the most important data relating to the above engines:—

SHAND, MASON AND Co.				MERRYWEATHER, SONS AND Co.			
Price	...	...	£540	Price	...	...	£420
Weight	...	...	33 cwts.	Weight	...	...	25 cwts.
Water thrown per minute	...	...	600 gallons	Water thrown per minute	...	...	360 gallons
Working pressure of steam	...	...	100 lbs.	Working pressure of steam	...	...	100 lbs.
Diameter of cylinder...	...	...	5 $\frac{3}{4}$ inches	Diameter of cylinder...	...	...	6 $\frac{1}{2}$ inches
Number of steam cylinders	...	...	3	Number of steam cylinders	...	...	1
Stroke	...	...	6 inches	Stroke	...	...	18 inches
Diameter of pump	...	{ Plunger, 4 $\frac{3}{4}$ inches		Diameter of pump	...	{ Piston, 5 $\frac{1}{2}$ inches	
		{ Piston, 6	„				

The trial was held on the 6th December, 1880, when it was found that Shand, Mason and Co.'s engine raised 100 lbs. pressure of steam from cold water in eight minutes ten seconds, and Merryweather and Sons' in nine minutes. Both engines succeeded in throwing a jet of water above the top of a mast 106 feet high, but the jet from Shand, Mason and Co.'s engine was decidedly the highest, as well as the heaviest and steadiest, and more continuous. In horizontal distances Shand, Mason and Co.'s had the advantage, to the extent of about 30 feet, and the result did not differ in any important degree, as one large or several small jets were used. Shand, Mason and Co.'s engine worked with great smoothness and apparent ease, and kept up steam without difficulty. Its exhaust made but little noise, and it was evident that the slide valves were so proportioned as to use the steam economically. Merryweather, Sons and Co.'s engine, on the contrary, vibrated considerably, and its loud exhaust indicated that steam was used at full boiler pressure almost to the end of the stroke, an arrangement not conclusive to economy of steam. After a careful examination of the engines and the competitive trial above detailed, the jury came to the conclusion that Shand, Mason and Co.'s engine was deserving of the highest order of merit as a machine scientifically designed, well and strongly made, and highly efficient in working. To Merryweather and Sons engine they award a second order of merit; but desire to add that, with the actual results of the trial even somewhat unfavourable, the extreme simplicity and compactness of the working parts, and the admirable arrangements for gaining access to the pump valves in the event of their being choked by rubbish, are, in their opinion, points of the highest practical importance.

PORTABLE ENGINES.

Marshall, Sons and Co. Limited, of Gainsborough.—These engines exemplified several points of great originality and merit in design, while the execution of the work was almost perfect. The largest engine was provided with two cylinders and a link motion reversing gear; the boiler was flush throughout, and lagged over the fire-box as well as the barrel; the crank shaft bearings were supported on dove-tailed slides, and kept at the proper distance from the cylinders by tubular stays, thus relieving the boiler of all strain from the working of the engine, and ensuring the adjustment of the slide valves against being affected by the expansion of the boiler. The governor was of the very sensitive crossed-arm or approximately parabolic type, and together with the guide bars was supported by a transverse diaphragm attached to the stays. Two single cylinder portables of the ordinary type were also shown, but with improved governors, and in one case a well-arranged brake for use on hilly roads. These engines all had jacketed cylinders, the working barrels of which consisted of separate liners of specially prepared metal. The bearings of the crank shaft were supported on strong wrought-iron brackets, rivetted to the boiler, thus reducing

the risk of fracture or leakage, and the feed pumps and other details were very well arranged. In every respect these engines are worthy of the very highest commendation. First award.

Frick and Co., Waynesboro, Pennsylvania, exhibited a small and, at first sight, somewhat uncouth-looking engine, which was found on close examination to possess several unusual merits. First, the engine was quite independent of the boiler, and capable, if necessary, of being removed from it and fixed upon a foundation, the cast-iron bed plate being of strong and simple form, and ingeniously contrived so as to constitute a trough for catching all waste oil and conducting it to a single outlet. The crank was filled with balance weights, which enabled the engine, which was tested in motion, to run with unusual steadiness. The governor was of the high-speed type, very ingeniously arranged, and combined with it was a throttle valve capable of being worked from a distance by means of a small cord or bell-wire. The bulk of the weight of the engine was carried upon springs when travelling. First award.

R. Hornsby and Sons (Limited), of Grantham, exhibited four engines of 4, 6, 8, and 10-horse power respectively. These engines differed in several important respects from those of most other makers. First, the cylinders were contained in an upward extension of the boiler, which constituted a steam jacket of the most perfect sort, and also gave an unusual amount of steam room. The guide bars were circular in section, and could be rotated when desired, so as to utilise the whole surface for wear; and a special spark-catcher was applied at the base of the funnel, which was stated to have proved very successful in practice. The workmanship of these engines was most meritorious, but the design and proportions of the parts were peculiar, and in the eyes of those accustomed to engines by other makers somewhat ungraceful. First award.

Clayton, Shuttleworth and Co., of Lincoln, showed two well-made engines of 5 and 8-horse power respectively. The engines of this firm are noted as having taken the highest place in respect to economy of fuel at the trials made by the Royal Agricultural Society of England. First award.

Richard Garrett and Sons, of the Leiston Works, Suffolk, showed a 14-horse double-cylinder engine of very plain appearance, but substantially constructed. Unlike those of most other makers, the cylinders were not steam jacketed, it being considered that jacketing is an unnecessary and costly complication in the case of ordinary engines without expansion gear, designed for simplicity and strength rather than extreme economy of fuel. With this view the members of the jury were disposed to concur. A very peculiar side valve was used by Garrett and Sons, giving a very large opening with a comparatively small travel. A second smaller engine, fitted with a straw-burning fire-bore, was also shown. First award.

Ransomes, Sims and Head, of Ipswich, exhibited an 8-horse power engine, which, considering that it was lost in the "Sorata," and recovered in a very damaged condition, looked remarkably well, and reflected great credit on the gentleman who succeeded in repairing the damages. This was the only 8-horse engine that had its boiler thoroughly encased, and to its makers is due the credit of having for many years back lagged their fire-boxes, and employed stays to relieve the boiler from the working strains of the engine. First award.

P. and H. P. Gibbons, of Wantage, exhibited a very strong and substantial form of engine, presenting no special features of interest, and not very highly finished, but was thoroughly sound and useful. Second award.

Robey and Co., of Lincoln, exhibited engines of 8 and 12-horse power respectively. The workmanship was found to be fairly good, but the design rather old-fashioned. The proportions of the slide valve of the smaller engine were considered by the jury to be extremely faulty, and calculated to choke the exhaust, thus giving rise to heavy back pressure, reducing the power of the engine, and wasting steam. This defect did not exist to so serious an extent in the larger engine. Second award.

Ruston, Proctor and Co., of Lincoln, exhibited four portable engines, rather roughly finished. In these the patent steam-stay, which was a specialty with this firm, was introduced. The jury did not agree with the proportions of this stay, as compared with the connecting rod of the engine, and further considered it an inconvenient and undesirable complication. Second award.

W. Foster and Co. (Limited), of Lincoln, showed a small strong portable engine of the ordinary form. Third award.

In arriving at the awards upon the above engines, the jury carefully examined the workmanship of the various parts, including the interior of the cylinder and valve chest. Wooden templets, representing the slide valves and valve faces, were prepared and criticised; the dimensions of fire-boxes, number and size of tubes, weight and cost, were all considered. The jury regret that lack of time and other conflicting circumstances prevented their practically testing each engine under steam.

MARINE ENGINES.

It was gratifying to observe among the marine engines exhibited many of the recent improvements in that branch of machine making. One of the most prominent examples of this was in the Orient S. N. Co.'s exhibit, who stated that it was an exact model of the s.s. "Orient's" engines, adapted to drive an eighty-feet launch. The model had one high-pressure engine and two low-pressure condensing engines connected to work together by the crank shaft. Each cylinder had piston slide valves on its starboard side, worked from eccentrics on the crank shaft by angled levers. The condensing engines had a surface condenser, and other main features of the model were similar to the "Orient's" engines, the details differing somewhat from the original, especially in the thrust-block and reversing gear. The model was well made and finished, and exhibited a decided desire on the part of the builders to advance in marine engine building. First award.

The Koninklijke Fabriek, Amsterdam, exhibited a pair of well-designed and highly finished inverted engines, working by steam. These engines, from their position in the Exhibition, received a large quantity of water with the steam; so much so that the drain-cocks had to be kept open during the trial. The engines, by their action under this test, showed ample strength in the various working parts, which were all adjustable for wear. First award.

Mort's Dock Co., of Sydney, exhibited a pair of inverted compound non-condensing launch engines, which showed great care in design and skill in the carrying of it out. The frames for supporting the cylinders were of cast iron, and of a simple A shape, with hollow rectangular section, giving great accessibility to the working parts. First award.

Seekings and Ellery, of Gloucester, exhibited a pair of inverted high-pressure engines, having cylinders 6 in. diameter and 7 in. stroke, which, although the smallest that came under the notice of the jury, were, however, well finished, and evidently from their appearance capable of a considerable amount of wear and tear. Second award.

Buchanan and Nosdrum, of Sandridge, showed a pair of inverted high-pressure launch engines, which were exceedingly creditable for their cheap and efficient design. The slide valves were placed between the cylinders, in order to allow the combined feed and bilge pump being worked directly from the outside of the forward crophead, where it was very accessible. The cheeks of the cranks were formed of cast-iron discs, keyed on wrought-iron shafts, and the whole formed in a cheap and substantial manner. Third award.

AIR COMPRESSORS FOR MINING PURPOSES.

The National Drill and Compressor Co., New York City.—Their machine consisted of a pair of horizontal steam engines of the ordinary type, having a

common crank shaft and flywheel. At the rear of each steam cylinder was placed a double-acting compressing cylinder, the piston of which was attached to a rearward extension of the piston rod of the steam cylinder. These air cylinders were provided with a series of mushroom-shaped valves at each end, some of which acted as inlets and others as outlets, and were kept cool by the circulation of water outside, no water being admitted to the interior of the cylinder. The whole machine was very well made, and worked most satisfactorily. First award.

Maschinenbau-Aktiengesellschaft, "Humboldt," of Cologne, exhibited a compressor of a different type. Two horizontal cylinders facing each other are provided with plungers like those of an hydraulic press. The ends of the cylinders are curved upward, and provided with inlet and outlet valves at the upper end. When in use the cylinders are filled with water, which rises and falls in the curved ends in accordance with the motion of the plungers, and the air is compressed by this motion of the water. A small pump keeps up a constant supply of cold water, and the surplus passes away with the compressed air. The machine was driven by a steam cylinder, with variable expansion gear placed in line with the compressing cylinders, and provided with crank shaft and flywheels. This machine performed well during the Exhibition. First award.

The "Normanby compressor," Stillwell and Co., London, consisted of two single-acting plunger pumps, with a common circular slide valve driven by gearing. The whole was immersed in a tank of water, and the plungers were worked by eccentrics, driven by a belt from the general shafting of the Exhibition. First award.

R. G. Ford, of East Brighton, showed an air compressor which was not altogether unlike the Humboldt, being like it a "wet compressor." There was, however, but one cylinder double-acting, the piston of which was driven by gearing, actuated by a steam engine at a distance. Though rougher in appearance, and far more noisy in its action than the National or Humboldt, this compressor, nevertheless, did its work satisfactorily. Second award.

The compressor exhibited by R. Schram, Chesterfield, consisted of an ordinary horizontal engine, having an air-pump placed in rear of the steam cylinder. Instead of the usual valves, the air cylinder was provided with a slide valve, actuated by a small piston, the motions of which were regulated by the admission of steam from the main slide valve. Second award.

CLASS No. 52.—WEIGHING MACHINES.

The following firms submitted specimens of weighing machines for examination by the jury :—

W. and T. Avery, Birmingham ; E. and T. Fairbanks and Co., St. Johnsbury, Vt. ; Hodgson and Stead (Limited), Manchester ; Howe Scale Co., Rutland, Vt. ; Rd. Godfrey, Melbourne ; Hy. Jones and Co., Melbourne ; Henry Pooley and Co., Liverpool ; L. Paupier, Paris ; O. F. Scheeren, Liège.

With the exception of those of O. F. Scheeren, all the platform and counter machines were tested as to their accuracy, with gratifying results in each case. The weighbridges of Fairbanks and Pooley were very severely tested, and gave great satisfaction, both machines showing great sensibility, but owing to the giving way of a foundation, consequent upon the bursting of a drain pipe, the jury were unable to test the Avery weighbridge.

The principal differences in the various machines were those of material used in construction ; relieving gear versus no relieving gear ; wooden versus iron platforms ; plain versus notched steelyards ; extended versus unextended platforms ; substitution of slides for poise balls and runners ; and chilled versus cast-steel bearings. Fairbanks, Howe, and Paupier appeared to favour the introduction of as much wood as possible into the construction of their machines. Avery combined a

cast-iron head with wrought-iron tubular pillar, and all other makers use cast iron for pillars, heads, and platforms. Both Avery and Fairbanks construct the levers for their weighbridges of cast iron, trussed with wrought iron, thereby securing great strength with little weight. Fairbanks condemned relieving gear as being injurious to the well working of any weighing machine, principally on account of the liability of the levers to take up a different bearing each time the platform is lifted or lowered into position, and they showed machines, the working of which clearly proved that relieving gear may safely be dispensed with. They have, however, invented and patented a system which the jury held to be free from the many objections hitherto urged against the old-fashioned systems. In this patent gear, the platform was suspended by means of four feet, which rested on supports hung from the pivots or knife edges, virtually bringing the weight of the platform *below* the levers, instead of resting direct upon the bearings. By these means unnecessary wearing and scraping of the pivots is prevented, as the bearings never leave the levers when the platform is raised. Pooley and Howe each exhibited a patent relieving apparatus. Pooley's arrangement had the advantage of always retaining the steelyard in a horizontal position, and, so far as the jury were able to test its working, they were satisfied with the results. For heavy machines and weighbridges, they are of opinion that this arrangement is as perfect as any exhibited. Howe's system consisted of raising the *platform*, and thus relieving the machine, without interfering with the working parts. The load is afterwards let down on to the levers, instead of their being lifted up to it. The mechanism by which this result was accomplished was very ingenious, and comparatively inexpensive, and appeared to secure the proposed end. Excessive vibration of the platforms of weighbridges and weighing machines was prevented by Fairbanks and Pooley by means of check rods, and by Avery in a novel arrangement of levers and corner-links. The jury were of opinion that the introduction of these check rods was an improvement. American and English manufacturers differed greatly upon the subject of the best material for weighbridge platforms, and the platforms of "colonial platform machines." American manufacturers continue to use wood, which they contend is not liable to break or rust, is also much easier to work, and admits of easy repair. English makers still make the platforms of their weighbridges of cast iron, some making them in sections for convenience of transport and handling, while others remain in favour of the platform being cast in one solid piece. The advantages urged on behalf of the iron platform were their freedom from absorption of moisture, and consequent immunity from the effects of climatic variations, their freedom from attacks by insects, and their extreme durability. With the exception of Avery, all English manufacturers continue to make the whole of their platforms of the small machines of cast iron. Avery, however, introduced a wrought-iron plate, fitted into a cast-iron frame. This arrangement rendered the machine stronger, and a few pounds lighter, but for the smaller machines there seemed to be no material advantage in either wood over iron, or iron over wood. For weighbridges, the cast-iron platforms in sections (none of which weighed more than 3 cwt. each) as shown by Avery were a great improvement upon platforms cast in a single piece, but Fairbanks' wooden platform had the advantage that the weighbridge could be delivered without the platform (which can be supplied by any carpenter), and a great saving in transport effected. A six-ton Fairbanks' weighbridge was said to weigh, without platform, only 12 cwt., and to measure 22 feet. A six-ton Avery weighbridge would measure 28 feet without platform. The steelyards of most of the American machines were made of brass with plain or smooth tops, the divisions, as well as figures, being marked on the side. In Fairbanks' scales the legibility of these figures and divisions was consequently enhanced by their being filled in with a kind of white enamel. A difference of opinion exists in the minds of manufacturers as to the advantages of notched over plain or unnotched steelyards. English makers, without exception,

adopt the former only, stating that accuracy is not so readily obtained by a slide being placed opposite a given mark, as by a knife-edge merely dropped into a notch. The notched steelyard, with a small tramway for the runner on each side, combines the two systems. Most of the English steelyards were made of iron, some were nickel-plated, and others had the divisions and figures cast on them. Avery and Fairbanks used a patent slide in addition to the usual poise ball and runner, formerly found on the steelyards. These slides were quicker and more reliable than the old-fashioned poise balls. American and English makers differed greatly upon the question of extended platforms. The former contended that the principle of extended platforms was a bad one, as a weight placed on a corner of the platform would have a tendency to tilt the opposite corner away from its bearings, and thus throw the whole machine out of gear. Though this objection appears reasonable, a 10-cwt. machine of Avery's, with a platform extending some 18 inches beyond the bearings, was severely tested by one of the jury standing upon each of the four corners in succession, with most satisfactory results. The pivots, or knife-edges, as well as the bearings upon which they rested, being important parts of weighing machines, it was interesting to note that English makers favoured cast-steel pivots, so fitted in their places that they could be removed, sharpened, tempered, and then replaced; but Fairbanks preferred case-hardened Bessemer steel, as being less liable to snap than cast steel. The principle of steel-faced bearings has been universally adopted. The pivots, bearings, and corner-links submitted for inspection by Avery and Fairbanks were splendid specimens of workmanship. Fairbanks, by making all the separate parts of their weighing machines by machinery, secure interchangeability and perfect accuracy. This is an immense advantage, as it not only guarantees the accuracy of all parts of the machine, but it enables an ordinary workman to repair a defective machine with very little trouble. Avery, though making all the various parts of his machines to gauge, has only partially adopted this system. The jury are in favour of dispensing with loose weights in all cases where it is possible to do so.

After a careful examination of all the machines exhibited, the jury recommended W. and T. Avery, Birmingham, for a first award for weighbridges, first award for platform machines, and a first award for counter scales. The jury were also of opinion that the splendid display of counter scales made by them, which in their opinion was the finest collection of counter scales ever exhibited by a single firm, together with the numerous improvements introduced by them, and the care displayed in the various parts of their weighing machines, were worthy of some extra special recognition at the hands of the Commissioners.

The jury also recommended Fairbanks and Co., St. Johnsbury, for first award for weighbridges, first award for platform machines, and second award for counter scales. The jury found that Fairbanks exhibited the best collection of weighbridges and platform machines, all of which evidenced very superior workmanship, great accuracy, and perfect mechanism. In addition, Fairbanks and Co. introduced numerous improvements into the construction of their machines, such as the interchangeability of parts, the application of check rods, &c., &c. In consideration of these improvements, and the high state of perfection of the Fairbanks weighing machines, the jury recommended Fairbanks and Co. for some extra special distinction in addition to the awards recommended above.

The jury recommended H. Pooley and Co., Liverpool, a first award for weighbridges, on account of superior mechanism, and a first award for platform machines, these machines having satisfactorily withstood the severe tests as to accuracy imposed by the jury.

The machines of the Howe Scale Co., Rutland, Vt., on account of their accuracy and sensibility, were recommended for first award for platform machines, second award for counter scales.

Hodgson and Stead, Manchester, for self-indicating weighing machine, were recommended for a second award, and for platform machines a second award.

The jury recommended L. Paupier, Paris, for platform machines showing great accuracy and sensibility, but rough finish and workmanship, a second award; and for counter balances of high sensibility a second award.

Henry Jones and Co., Melbourne, for general good workmanship, were recommended for a second award for platform machines, and for counter scales a third order of merit.

Rd. Godfrey, Melbourne, for general good workmanship, was recommended for a second award for platform machines, and for counter scales a third order of merit.

To O. F. Scheeren, Liège, the jury recommended a third degree of merit.

W. C. KERNOT, *Chairman*.

The following report has been made at the request of the jury by Mr. Blackburn:—

There were seven windmills exhibited, two of which were, however, duplicates. Despite the fact that the windmill utilises one of the great forces of nature, and is the cheapest mechanical power available, the users of motive power in this colony have never taken kindly to it, in consequence of their impatience of the delays inseparable from its intermittent action.

The Californian Althouse Vaneless windmill, exhibited by Stephens and Woodin, San Francisco, had no sails, in the ordinary acceptation of the term, but had 104 floats, set in such a manner that when the mill was at rest their inside and outside ends formed two concentric rings, the exterior diameter being 14 feet and the interior about 7 feet. These floats were set slightly overlapping one another, like Venetian blinds, on the sides of an octagonal framework of iron, in eight sections, having, of course, thirteen floats to each, and were balanced on the centre of their radial length. At the interior ends they connected with another octagonal framework of iron, which was lighter than the other, and had a contracting and expanding action, not dissimilar to that of the ribs of an umbrella. With a light breeze these floats present themselves to the wind vertically, but the moment the breeze freshens the outside of each of the eight sections is pushed over, until by the time the wind reaches the maximum force which the mill is calculated to use they have turned on their centres until they are nearly at right angles with their position when at rest, with the ends of the floats presented to the wind. They are also provided with a feathering action, which acts in proportion to the extent to which the sections of the floats are turned over towards the horizontal. The moment the force of the wind decreases, a weight, acting on a lever bar behind the centre, immediately exerts a counter-balancing force, and keeps the floats up to their work. This arrangement, it was claimed, results in a maximum motion of forty revolutions a minute never being exceeded, even should the machine to be driven become disconnected. It was also claimed that they were the cheapest windmills in the market; but in connection with this claim, it must not be forgotten that the mills were supported on a wooden framework, and that the floats were of wood. First award.

The Victory windmill, exhibited by its patentees, David Munro and Co., Melbourne. —It had six sails, working in a framework having a hexagonal margin, the rods, which radiate from the centre to the points of the hexagon, passing through a cast socket, which forms a backbone to each sail. The machine was self-acting, keeping itself to the wind. As the wind freshens, the pressure operating on a spiral spring placed in front of the hub causes the sails to feather, centrifugal force intensifying their action. As a protection against bush fires, the machine is wholly constructed of metal, even to the tripod frame which carries the mill. First award.

The new Victorian patent self-regulating windmill, by J. Abraham, Ballarat, was supported on a cast-iron pillar and bed-plate. Like the Althouse mill, it had a circular framework, bounded by two concentric rings, the outer 12 feet in diameter, and the inner about 9 feet. It was very light, there being no cast-iron in the revolving portion, which was entirely constructed of wrought-iron and gun-metal. The floats, 16 in number, were constructed of corrugated iron in sheets of about 2 feet 6 inches in length, the width being coincident with the radial distance between the two concentric rings of the framework, each swinging on an axle, their position being regulated by the centrifugal force of two iron rods, which cause the mill to maintain a regular speed. In action, any increase of the centrifugal force causes the floats to feather, until at last they assume the horizontal, exposing only their ends to the wind. The bearings are unusually large, and are so placed that they are surrounded with oil. This mill is capable of running a long time without attention, whilst the oil receptacles are so constructed as to reduce the loss to a minimum. First award.

John Danks, Melbourne, was also an exhibitor of a windmill. In appearance, viewed from the front, it was not unlike the Althouse when at rest, the floats being set in the form of a ring, bounded on the inside and outside by two concentric circles. The floats were, however, fixtures, and the mill was regulated by two powerful vanes. One of these was fixed, whilst the other, hung on a hinge, was kept in position by a weight. The moment the gale has sufficient force to move this vane against the weight, it moves the floats away from the direct action of the wind, and, of course, reduces its velocity. To this windmill your jury adjudged the second order of merit.

The patent steam crane exhibited by Priestman Bros., Hull, with self-acting bucket or grab, was, owing to the loss of the original exhibit in the "Sorata," represented by a model, and as a model was examined by your jury, although at a later period a duplicate was erected in the grounds. The crane itself did not present many points of originality. It was portable, bearing on four wheels with massive cast-iron foundations. The whole apparatus was on the same platform, revolving round the central pillar; the jib lifting and lowering, and the boiler vertical, with cross tubes, and placed at some distance from the central pillar at the extremity of the platform, so as to form a counterpoise to the leverage of the jib. The cylinders were on the outside of the winch, and the lifting barrel was driven by gearing which was said to be specially designed for these cranes. Though applicable to ordinary purposes when required, these cranes were stated to be specially designed for working the self-acting bucket, which was to your jury a novelty. It is somewhat difficult to describe the appearance and action of this bucket without a diagram. Closed, it appeared to be a little less than the lower half of a circular cylinder of about 7 feet in length and about 4 feet in diameter, constructed of boiler plate, hung horizontally, having a horizontal joint along the centre of the bottom for its entire length, and vertically at each end where it met the hinge, which was on the exact centre; two radial lines formed the upper edge of the ends. Open, these two radial lines moved on their centres until they traversed a right angle; the edges, which in the closed state met and formed the joint, being now wide apart and pointing downwards. In this state the bucket is lowered into the hold of a vessel having grain, small coal, sand, shingle, &c., for its cargo; and when it has buried itself as deep as it will by its own weight, the strain on the chain closes the two edges downwards, and the bucket, containing the load, is lifted, and the crane traversing until the bucket is over the hopper or other receptacle in which the cargo is to be discharged, the latter suddenly opens at the will and by the action of the man working the machine, and having thus dropped its load, is again ready, after the crane has swung round, for lowering into the hold. This bucket can be replaced by an instrument called the grab, of about the same shape and size as the bucket, but formed by two rows of

strong iron claws, working in precisely the same manner as the two segments of the iron bucket. It was described as being available for excavating hard material, either in dredging or in ordinary earthwork, also for lifting coal, coke, or cinders. This crane, with a bucket holding 15 cwt., was capable of lifting 40 tons per hour; and worked by one man during a day of ten hours was calculated to lift 2250 quarters of grain, or 400 tons of small coal, sand, or shingle. With the grab it was calculated to lift 187 tons of coke or cinders, and to excavate 375 cube yards of strong ground, or 375 tons in dredging. As no labour is required, either in tipping or filling, it is obvious that the saving effected by its use is very considerable. It was unanimously given a first award.

The pile-driver of this firm was also represented by a model, which your jury had the less hesitation in examining as the machine itself would necessarily not only have been very cumbersome, but the effective illustration of its working would have been attended by many practical difficulties. The model represented a staging 40 feet high, the bottom being 8 feet square, and weighing (with the engine and boiler, but excluding the ram, which of itself weighs 20 cwt.) five tons. Its comparative lightness, however, and the small space occupied by it, make it capable of being worked in any position, or under any circumstances, in which a common hand machine can be placed, either on land or afloat. It was moved by fastening the end of a rope ahead, passing it over a roller under the winch, and taking a turn round the barrel. The travelling wheels were castors, so that, by lifting up each side alternately with a lever, the castors can be turned to run on a tramway at any angle. The pile was quickly pitched by a chain round the head in the ordinary manner, and the ram was lifted by a tongue passing through the centre, and was drawn in and out by a lever with rack and pinion. To the outer end of the lever a cord was attached, and on being drawn downwards the tongue shot into the open link of the pitched chain in its upward motion. The tongue was withdrawn by the outer end of the lever striking against a staple fixed in the guide pieces, and the ram thus released then falls on the pile, usually at the rate of twelve times a minute with a 6-ft. lift. These machines can also be fitted with the telescope driver, which consists of the substitution of a long pile for the ram, and to the front of this the ram itself is secured at the desired depth below the staging. By this arrangement piles can be driven in a trench or tide-way down to a depth of thirty feet below the staging on which the machinery stands. Taking into consideration the simplicity of the construction of this machine, its efficiency, and its cost, your jury gave it first award.

The wood-working machinery exhibited by Chas. Powis and Co., of Milwall, was very fine and very complete. This firm makes a specialty of combination tools—that is, machines which combine two or three—thereby effecting economy by decreasing the quantity of shafting required, and by reducing the number of pulleys, &c. These they find a large demand for amongst the smaller class of builders, who have neither the capital, the room, nor business sufficient to justify them in procuring a separate machine for each description of work. As a sample of their tools your jury would instance the “general joiner,” which in the centre had a planing machine, worked from one end, which would plane or mould any timber under 12 inches wide and 4 inches in thickness. On one side was a mortising machine, in which was a fixed borer. A sharp, S-shaped, double-shell auger first drills the two ends of the mortise, and then, moving forward rapidly, rips out the wood between the one hole and the other, either through the wood or as a well-finished blind mortise, as may be required. On the other side was a saw bench, the spindle of which might be mounted with the ordinary circular saw, or with the “drunken saw”—that is, a thick saw of small diameter, set on the spindle at other than a right angle, and which in practice cuts out a groove similar to that made by the joiner’s plough, having for its width the distance the outer periphery of the saw is set

from the right angle with the spindle on each side of the centre ; or a pair of circular saws could be placed side by side, with a washer between, for the purpose of cutting tenons, the piece of wood to be operated on being fixed from above in such a position that, passing between the two saws, vertical cuts are made to the required depth, after which it passes between two circular saws of about 4 inches diameter, set horizontally, which completes the tenon by cutting off the side slips at the shoulders. In this machine all the three tools could be worked at the same time if required. Another machine worked a horizontal borer, an ordinary circular saw, and a small hand-saw, and could be adapted either to hand or to steam power. Another machine, named the "Estate Carpenter," combined a circular saw, a tenoning and mortising machine, as also a horizontal borer, the circular saw working simultaneously with either of the latter ; and still another, known as the recessing machine, which combined a circular saw, a boring machine, and a machine for cutting either straight or circular mouldings. They also exhibited a band-saw, working on a 36-inch wheel, to the framework of which was fitted a crane, which, carrying the guide and self-acting feed table, enabled the band-saw to be employed in the work of ripping down timber. The whole of these machines were distinguished by the excellence of the workmanship, and to the exhibit was unanimously given a first award, in addition to which a resolution was also passed to the effect that the general joiner should be made the subject of a special commendation.

Another collection of wood-working machinery, exhibited by T. Robinson and Sons (Limited), Rochdale, were also worthy of notice. Noticing these machines in the order in which we examined them, the first was a saw-sharpener, in which the saws to be sharpened or gulleted were placed in clamps capable of being adjusted to any angle, so as to enable them to be brought in contact with an emery disc running on a shaft placed at an angle of 45 degrees. The second was a self-acting emery wheel for grinding planing irons, the irons being fixed in clamps which hold them rigid, the clamps themselves having a backward and forward motion parallel with the spindle of the grinding wheel, which brings every portion of the edge in turn under the action of the sharpener, the extent of the backward and forward motion being regulated by two iron plugs dropped into two holes of a series parallel with the spindle, the two plugs indicating the points at which the reverse action commences in each instance. Another exhibit was a new invention. It was a continuous self-feeding saw-bench, in which the timber to be sawn is laid alongside a guide, which gives it the desired direction. It is then pushed until its front end is advanced to within about six inches of the edge of the saw, when it is taken by a ratchet wheel working on a vertical spindle which has its upper end revolving in the arm of a lever, acted upon by a weight which causes the ratchet feed-wheel to adapt itself to the width of the timber to be operated on, and, pressing it against the guide, also carries it forward to the saw. All the man attending the mill has to do is to take care that by the time the ratchet wheel is ready to part with the first piece the front end of the second piece touches the heel of the first, and the action goes on continuously so long as the increase or decrease in size of the pieces to be sawn is worked up to gradually. Another of the specialities of the firm was a moulding and planing machine, capable of operating on any size of timber under 12 inches in width and under 3 inches in thickness. By this machine all the four sides of the timber were dressed at one time, and to it was added a novelty in the shape of an arrangement which slopes the cutter so as to keep it close to its work when the moulded face is not square with the others, as in the case of an architrave. Another novelty was a small saw-bench for sawing, tonguing, grooving, rebating, boring, or cross-cutting. For the purpose of rebating, this saw was fitted with a rising and falling spindle. In rising or falling the spindle worked on an arc of a circle, which had for its centre the centre of the driving shaft, the

reason for moving on the arc instead of in a vertical slot being to prevent the relacing of the driving belt every time the spindle required to be shifted. Several other machines, the action of which it would be tedious to particularise, although well worthy of close examination, completed this interesting exhibit, to which first award was unanimously given by your jury.

The Sächsische Maschinen Fabrik (formerly Richard Hartmann), of Chemnitz, exhibited one band-saw, one wood-planing machine, and one circular-saw bench. All these machines were very substantially built, and of the highest class of workmanship. The band-saw had rollers of 40 inches diameter, and a clear height for cutting timber 18 inches in thickness. It was fitted with a pivoted table of large dimensions, and with a feeding apparatus with variable speed and handy adjustment of thicknesses. Some peculiarities of this machine were a sliding brass rim on the upper wheel, allowing the rim to stop suddenly with the saw while the wheel is still revolving a while in consequence of its attained centrifugal force, and also to start the rim with the saw suddenly, taking the wheel along only gradually by friction, thus avoiding in both cases the overstraining and breaking of the saw, and easing the starting and stopping. Besides, this machine was fitted with a brake-wheel and brake, which come into operation simultaneously with the shifting of the belt on to the loose pulley, thus effecting sudden stoppage, which is a very important achievement. The planing machine was made to plane timbers of 24 inches width and from 1 to 4 inches thick; and being especially intended to give rough-planed boards a fine finish, had only one planing cylinder for the lower side. It was driven by two belts, one on each side, to avoid uneven wearing of the bearings. The table was adjustable, resting the whole length on an inclined plane, thus giving it a very solid foundation. The pressure rollers were pressed down by springs and screws. The speed of the feed rollers was variable. The circular-saw bench was driven from below; its shaft could be raised and lowered, and the saw replaced by knife-heads for tonguing, grooving, and moulding. There was an attachment for boring and slotting also, consisting of a special table, sliding in both directions by screw and lever. The circular saws used in this machine had peculiarly-shaped teeth, these being spread to both sides at their points by a special upsetting tool, thus each tooth cutting on both sides, and avoiding the setting of the teeth, which makes each tooth only work on one side, and if not done very carefully does not bring all the teeth to equal cut. The augers, also, used for slotting and boring, and fitted into the end of the shaft, were of a novel form, being S shaped, thus having two cutting edges, which is especially useful in slotting. To each of these machines your jury gave a first award.

The Sächsische Stickmaschinen Fabrik of Kappel also exhibited a fine collection, consisting of a band-saw, a dovetailing machine, an edge moulding and shaping machine, a universal hand-feed planer and joiner, a surface planing machine, only the first two of which, however, can receive more than a passing notice. In the band-saw the rim of the upper pulley, which had a diameter of 40 inches, was of bent hickory, only the nave and spokes being of iron. The lower pulley was, however, wholly of iron, and had a diameter of 44 inches, but both pullies were exactly balanced and covered with elastic rings. The upper pulley was arranged to rise and lower, so as to take in blades of different lengths, and had the lower attachment weighted, in order to give a proper tension to the saw, which was adapted for cutting wood 20 inches thick. The table could be arranged for level sawing. To the machine was attached a self-acting roller-feed apparatus, the rate of advance of which could be varied from 4 to 20 feet a minute. This was, however, removable at pleasure. With this machine were exhibited, as indispensable accessories, apparatus for sharpening, setting, and brazing the saws. The dovetailing machines struck your jury as the most ingenious pieces of mechanism exhibited in this subdivision of the class. Without a diagram, however, it appears hopeless to attempt to describe their action. It may be sufficient,

therefore, to say that both boards are placed in their relative positions, at right angles to each other, and that they are cut simultaneously, the machine being put in gear by the motion of a hand lever, each movement of the hand lever forming one tenon. By an adjustment of the spindle the cut is adapted to the varying thickness of the boards. To the whole exhibit of this firm, in this subdivision, your jury unanimously gave first award.

The most noticeable exhibit in hydraulic machinery was that of Sir William Armstrong and Co., Limited, Newcastle-on-Tyne. The machines shown were three—a revolving crane, a patent jigger, and a capstan—all of which derived their motive-power from one hydraulic ram. The ram was fixed in a heavy framework, the actual pressure being obtained from 35 tons of sand contained in an iron cylinder, technically called “the accumulator,” which, acting on a column of water, produced a pressure equal to 700 lbs. to the square inch. In connection with this ram pipes were laid, with which each of the machines now under notice was connected; and in large establishments these pipes would be reticulated to a considerable distance from the accumulator, having various junctions with which the several machines might be either permanently or temporarily connected, and each machine is put in motion by the simple operation of turning a tap. Water was forced into the column under pressure of the accumulator by a steam-engine, that used in the present instance being of four-horse power. The power of the engine will, however, vary, and will be dependent, not only on the number of machines attached, but on the extent of the work required of them, the object being to hit the exact power necessary to keep up the column of water, by promptly making good the loss in supplying the rams of the various machines. Thus, any one watching the accumulator during the time any of the machines were at work would notice that it was slowly sinking, and that the moment the machine stopped the accumulator began to rise; and it would be the object of the engineer in designing his work to have just enough power in his engine, and no more than was sufficient to make good the loss of water, without causing the machine to wait for a single moment. There would always, however, occur moments of delay, which would cause a longer interval between the workings of any given machine than usual, and it is important that during these pauses the accumulator should not be forced above its full height. This risk was avoided by an exceedingly neat, and at the same time simple arrangement, which renders the stoppage and re-starting of the engine automatic. Projecting from the side of the accumulator was a stout bar of iron some one inch in diameter, and from eight to twelve inches long. As the accumulator rose, this bar pressed on the under side of a lever, which, gradually closing the steam valve, first reduced the speed of the engine, and, finally, by the time the accumulator had reached its maximum height, stopped it altogether. The moment the accumulator commenced to fall through any one of the machines being set in motion, the upward pressure on the lever was released, the lever itself was acted on by a weight, and immediately the engine started again, and gradually attained its full speed. The three machines connected with the hydraulic power were a revolving crane, a jigger, and a capstan; the first two, being mounted on wheels travelling on ordinary rails, were available for use at any point and at any instant their services might be required, by simply connecting them with the reticulated service pipes at the nearest junction. The revolving crane had a fixed jib, which, controlled by a tap or two under cover in a house which goes round with the mast, cannot only complete the entire circle, but can lift or lower its load at the same time, the effect being that the minimum of time is lost. The second machine was the jigger. It was specially intended for the rapid removal of goods from the hold of a ship, but it was equally adapted for lifting material from the ground to the upper stories of a building under construction. On the iron framework a cylinder was mounted at an angle of about forty-five degrees, and at the heel of the cylinder and at the outer extremity of the ram

were iron sheaves for a triple purchase. The ram being set in motion, the chain over the sheaves at first tightened, and as the ram was projected, communicated its motion to a winding barrel of something less than one foot in diameter. On the spindle of this barrel was fitted a wheel of about seven feet in diameter having a channelled periphery, so that for every revolution of the drum twenty-two feet of lifting-rope was wound round the large wheel, and, as a matter of course, the load was lifted to a corresponding height, the package being lifted in less time than it takes to read this sentence. The third machine—the hydraulic capstan—was set in motion by the simple pressure of the foot of the man working the rope on a knob rising above the foot-plate, the motive-power being communicated by two small water-engines, concealed below the floor-plate. The machine was fitted in a cast-iron frame, in which the floor-plate, which was circular, was supported on a pair of bearings, with the result that the motor-work could almost instantly be exposed for examination, oiling, &c., and almost as instantly closed again, nothing being seen above the floor-plate but the bell of the capstan and the knob which, being pressed, sets the machine going. These capstans have been found equally available for wharf purposes, in bringing ships alongside, as for shunting purposes in railway stations. This latter class of work is usually effected by a special locomotive kept for work in the yard, or else by horses. Stations in which these machines have been fitted in the old country have been by their means rendered entirely independent of either the one or the other. To each of these three machines, as well as to the hydraulic apparatus, and to the steam-engine, were given a first award; five awards in all.

The hydraulic hoist (Cherry's patent) exhibited by Tangye Bros., Birmingham, was adapted for lifting either light or heavy weights into warehouses, or from one floor to another, at the average approximate rate of 60 feet per minute. In this hoist the cylinder was placed horizontally, and the motion of the piston was communicated directly to the shaft of the winding-drum by means of a flexible steel rack. On behalf of this method of construction it was claimed by the exhibitors that it was more compact and more easily fixed than other hydraulic hoists, and that from the directness with which the power was conveyed from the piston to the winding-drum, and the frictionless nature of the mechanism, a smaller piston suffices than in the ordinary hydraulic hoist; whilst they were worked with a smaller quantity of water. Messrs. Tangye's exhibit included several ingenious adaptations of the hydraulic principle; amongst others, to lifting-jacks, and the "jim-crows," for straightening bent rails; and to the whole of the hydraulic machines your jury gave a first award.

The patent self-acting breaking-down travelling saw bench exhibited by David Munro and Co., of Melbourne, was deserving of notice. Under ordinary circumstances the operation of breaking down the log, as it is technically called—or that process which first cuts the log into two flitches, and afterwards reduces these into slabs of the desired thickness for cutting into scantlings—is done by the vertical saw, which requires the excavation of a pit, besides the erection of comparatively strong and expensive framing. The mill now under notice breaks the log down with the circular saw, and the advantages claimed for it were that, by reason of the ease with which it could be erected, it could be repeatedly moved as required, the only framework required being rough bush logs, which can be put together in a few hours, and that when erected it does more work with a given horse-power than the vertical saw. In working, the log is placed on a platform, which, travelling on rollers, carries it towards the saw. When, however, the timber is of extra size, a second saw, working from above and in front of the log, comes into play. This saw is so set that its cutting edge is exactly vertical over that of the lower saw, and its periphery slightly overlaps that of the under one, the effect of which is that the cutting edge reaches and revolves in the upper portion of the cut formed by the lower saw. For instance, we will suppose a log 3 feet in diameter on the platform, whilst the radius of the lower saw is only 2 feet. The

lower saw consequently makes a cut to that depth only, in practice a little less, as the spindle of the saw is revolving below the planking of the platform on which the log rests ; but the log in passing forwards then comes in contact with the upper saw, which, cutting a little lower the uncut twelve inches, completes the separation of the two pieces of timber. Whilst your jury approved of the general design of this saw, and whilst the method of breaking down the log by two saws of smaller diameter instead of by one of larger diameter struck them as ingenious, some defect of detail which may be easily remedied prevented them from awarding a higher degree of merit than the second class.

Two stone-breaking machines were in the Exhibition—the first, Arthur Hope's, of Melbourne, patent double-acting stonebreaker, being one of the most notable exhibits which fell under the notice of your jury. This machine has made a fresh departure from Mr. Hope's previously patented stonebreaker, "The Excelsior," and was fitted with the cubing jaw, which causes the stone to be broken into cubes, so essential for good road-making, and not into spalls or chips, like those struck off by the working mason with his hammer. Its peculiarity was that the teeth of the fixed jaw alternate—that is, that in the lower half the points are in the same vertical line with the bottom of the serrations of the upper half ; and that the movable jaw works point to point, instead of point into hollow, as in the early pattern machine, with the result that the aperture is of such a shape as renders it impossible the stone can fall through until it has been reduced to the cubical form. In addition, however, to the cubing jaw, other improvements have been introduced into the machine under notice, the most important being in the application of the motive-power, which was communicated by a crank shaft working a cam. At the back of this cam, towards the tail end of the machine, was what may be described as a knuckle, the whole width of the cam, not moving on a centre, but resting in a manner from which it cannot escape on the cam, and on a bolster which moves to and fro to regulate the gauge ; and at the front was a similar knuckle, through which the motion is passed to the jaw. It was claimed on behalf of these knuckles that, besides acting as wedges, they have the peculiarity of communicating irregular blows, a long, full stroke being followed by two short half-strokes, which has an effect in cubing the stone not unlike the knapping action of the stone-breaker's hammer ; besides which, from their construction, they yield the moment the jaw has completed the fracture, thus preventing the stone being wasted by the production of an undue quantity of screenings (as the small metal is technically called) and dust. Whilst all these improvements have been effected, others have not been overlooked. Thus, the weight of the machine has been reduced from six and a-quarter to five tons (not by any means an unimportant matter when it is remembered that they have frequently to be removed from contract to contract, often over very bad roads, and sometimes over no road at all). This machine was unanimously given a first award.

The second stone-breaking machine was that of H. Gurson, Buckau. Upon examination, however, it was found to be almost identical in its design with machines which, the produce of Victorian workshops, had been in use in the colony for some years ; and as it had none of the recent improvements engrafted on it, your jury was unable to give it a higher degree than second award.

EXPERT'S REPORT.

Merryweather and Co., London.—I have examined the steam fire-engines of this firm, and I consider that they have scarcely done themselves justice in forwarding an engine of inferior size and power for competition ; and if the award is to be made entirely on the merits of the two engines exhibited and engaged in the competitive trials, it should go to Messrs. Shand, Mason and Co., their engine being by much the more powerful engine of the two ; but if the awards are to be made for the guidance of the public as to which type of machine is the best, I think it would be just as mis-

leading to place Messrs. Shand, Mason and Co. above Messrs. Merryweather and Co., because the former sent a large engine and the latter firm a smaller one. It must not be lost sight of, that Merryweather and Co. make much more powerful engines than the one exhibited. The type of engine and boiler made by them is entirely different to that made by Messrs. Shand, Mason and Co. Each make has its own advantages, and I consider both of them first-class machines for the special work they have to do, and equal in point of merit.

David Munro and Co.—Postborers : The workmanship is good ; it is adapted to public wants, and is labour-saving. Winding and Pumping Gear : Design and workmanship are thoroughly good. Vertical Engine : This engine is well designed and easy of transport, and the workmanship good.

A. Mathieson and Co., Glasgow.—Morticing Machines, Lathe-heads and Spindles, Mitering Machines and other Tools.—I have examined these exhibits, and consider them well and faithfully finished, and deserving a first award.

JURY SECTION XXVII.

Class 60.—Carriages, and Wheelwright's Work.

JURY.

William Williams, Chairman, Victoria.
T. Woodward, Victoria.
Jas. Garton ,,
T. Gittus, sen. ,,

Hon. W. A. C. a'Beckett, Great Britain.
H. A. Crawford, United States.
E. Handowsky, Austria.
M. Gallay, France.

EXPERTS APPOINTED TO CONSIDER APPEALS AGAINST THE DECISION OF JURIES.

R. Beaty.
J. S. Henderson.

C. N. Beere.

SIR—We have the honour to report as follows :—

The exhibits in this class numbered 84. Victoria, as might have been predicted, contributed a large proportion of the collective exhibits, and competed in every variety of the classes represented in the British and foreign sections ; a considerable residue, however, not represented therein, and therefore competing in the Victorian section alone, will account for the greater relative proportion of awards made to Victoria, resulting naturally out of the greater number, variety, and high average merit of her exhibits.

In order to adjust the exhibits on a fair competitive basis, it was found requisite to arrange them in classes ; and where important divergences from a leading type occurred, into sub-classes.

There were, however, in the Victorian Court a number of exhibits which, being incapable of being classified, and therefore of being placed in competition, have been isolated under the heading of miscellaneous. Selections for award have been made from these, but only in cases which, in themselves, present features of more or less conspicuous merit.

Excepting in one or two unimportant cases, it was observable that the foreign exhibits were deficient in beauty of design, finish, and other essentials which should distinguish representative national exhibits; and without detracting from their intrinsic merits, it may be safely surmised that, as a whole, they were not, in any wide sense, either the best or latest examples in this branch of industry of the great nations whence they emanated; in contrast to which it seems fitting to state here that some of the higher examples in the Victorian Court would prove no discredit to any international exhibition.

Awards were recommended for bicycles, perambulators, carriage finishings, bent timber, &c. These were advised by members of the jury, who, from their technical knowledge, were fitted to report thereon, and had patiently and critically examined them in detail.

It may be observed in conclusion that the figures first, second, third, and honourable mention, denoting the awards, were intended to convey the jury's opinion of the comparative merits of the various exhibits as they stood related to each other, rather than that they were *par excellence* the best of their kind.

The highest standard of excellence was, however, reached in the examples of M'Naught and Smith, C and under-spring landau, and Stevenson and Elliott, brougham.

W. WILLIAMS, *Chairman.*

EXPERT'S REPORT.

I have practically tested Messrs. Singer & Co.'s exhibit of bicycles in the British Court. I find that this bicycle is one of the easiest I ever rode, going very easy and swiftly, and well adapted to Victorian roads; both wheels true, the spokes in each at full tension; the brake, bearings, saddle, steering gear, tyre, pedals, dustproof bearings, &c., are all first-class and good manufacture. The quality of finish and material very good, and I recommend them for first order of merit.

JURY SECTION XXVIII.

Class 62.—Railway Apparatus.

Class 81.—Apparatus and Processes of the Art of Mining and Metallurgy.

Class 82.—Mining and Metallurgy.

JURY.

Charles Bonney, Chairman, Great Britain.	C. Checchi, Italy.
R. Rees, M.A., Great Britain.	Robt. Fulton, Victoria.
George Foord „	F. C. Christy, C.E., Victoria.
H. Lennon „	Jenkin Collier „
J. Brady, C.E. „	Jas. G. A. Stitt „
R. H. Bland „	Hy. L. Brown „
G. C. Ewing, United States.	O. R. Rule „
W. H. H. Lane „	A. Sutherland „
L. Vieusseux, Germany.	John Buncle „
Charles Roeder „	David Munro „
T. Delbridge „	R. G. Ford „
F. Journet, France.	

SUB-JURY FOR MINERALS, ROCKS, AND FOSSILS.

O. R. Rule, Chairman.	Jas. G. A. Stitt.
G. Foord.	R. H. Bland.
H. Y. L. Brown.	

EXPERT IN CONJUNCTION WITH THE JURY.

Norman Taylor, F.G.S.

SUB-JURY FOR CLASS 62.

J. Buncle, Chairman.	D. Munro.
W. H. H. Lane.	L. Vieusseux.
E. Journet.	R. Fulton.
E. Checchi.	A. Sutherland.

EXPERTS ON MINING AND METALLURGY IN CONJUNCTION WITH THE JURY.

Norman Taylor.	G. Harvey.
E. C. Blyth.	H. A. Wilson.
E. Morey.	D. M'Kay.

EXPERTS APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

W. Anderson	W. Cooke.
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SECTION C, CLASS 82.—MINERALS, ROCKS, AND FOSSILS.

SIR—In the division of mineralogy and geology (Section C), which has been allotted to us to adjudicate upon, we now beg to hand you the accompanying report.

A glance at the colonial courts will have convinced the most sceptical of the enormous mineral wealth with which the continent of Australia has been endowed; and what is now known is probably only a fractional part of what still remains hidden, to reward, at a future period, the exertions of the prospector.

The Australian colonies were the only exhibitors of any magnitude in this section, the Continent of Europe and the rest of the world apparently not having thought it worth their while to exhibit, except from a metallurgical point of view, and that only, with one or two exceptions, very insignificantly. America had a large collection, but it was not a national one.

The colonies appear to have their specialties in the way of metallic ores, as, for instance—Victoria for gold and antimony; South Australia for copper and bismuth; Western Australia for lead; New South Wales for gold, silver, coal, tin, and antimony; Queensland for gold, tin, antimony, manganese, chromium, cinnabar, coal, and opal; New Zealand for gold, chrome, and many other ores; Tasmania for tin and gold.

Victoria made but a poor show of metalliferous ores and coal in comparison with the rich displays of her sister colonies, and only surpassed them in her gold-producing capabilities, though not in exhibits of the raw material. Great apathy had been manifested; this was proved by there being so few exhibits of even the minerals we do possess, partly due, no doubt, to the closing of several of our mines, notably the Buchan and St. Arnaud silver lead mines, the Walhalla and Bethanga copper mines, and the Ringwood and other antimony mines.

Gold was the only mineral well represented by Victoria, but not so well as might have been expected, only about 118 quartz and 27 alluvial mines being accounted for. Many gold specimens were to be found in the various colonial departmental or private collections, which have been awarded prizes for collective exhibits.

The opinion has been entertained that the gold became impoverished (by silver admixture) towards the northern portions of the Australian Continent; but this is proved to be quite erroneous, as both the Northern Territory of South Australia and the Palmer River district of North Queensland (Cape York Peninsula) produce gold of as great purity as any to be found. The Gympie and Ravenswood (Queensland) gold is the poorest, and worth about 70s. per ounce, but this is equalled by some from Eastern Gippsland. The Gympie gold takes the filamentous (locally termed "wire," "thread," and "spider-leg") form of native silver.

We have deemed it advisable to make specialties of gold and coal, and the following are the awards in these classes :—

E. W. H. Rowe, Fryer's Creek.—Gold exhibit from Duke of Cornwall and Mosquito Mines, one remarkable specimen in particular, exhibiting crystals of gold (rhombic dodecahedrons) in a cavity in a mass of crystallised quartz. First award.

Brunner Coal Co., Grey River, exhibited a section of coal, showing total thickness of the 16-foot seam, worked for the past fifteen years. As steam coal it is stated to be superior to any other Australian coal; as gas coal it yields 12,000 feet per ton of 18 to 20 candle gas.

Coal Pit Heath Coal Mining Co. (Limited), Greymouth, exhibited a section of 18-foot seam from the company's mine.

Kaitangate Coal Company, Otago, exhibited a sample of coal from ordinary working seam.

Westport Colliery Company, Westport, exhibited a specimen of coal, showing half the thickness of the 30-foot seam, Mount Rochfort mine.

The following table shows the result of the analyses of the coal exhibits :—

	Fixed Carbon.	Hydro- Carbon.	Water.	Ash.	Evapora- tive Power. lbs.
Brunner Coal Co., Grey River—					
average of seven analyses ...	56.62	35.68	1.59	6.11	7.36
Coal Pit Heath Coal Mining Co. (Limited), Greymouth ...	59.38	35.48	1.05	4.09	7.70
Kaitangate Coal Co., Otago ...	39.41	37.25	19.61	3.73	5.00
Westport Colliery Co., Westport —average of seven analyses	60.44	34.95	2.26	2.35	7.85

Brunner Coal Company, Grey River, also exhibited coke, for which they receive first award.

Newcastle Wallsend Coal Company, Newcastle, exhibited a pillar of coal, with roof and floor attached; seam from 8 feet 6 inches to 9 feet 4 inches thick. It was a free burning bituminous coal, suitable for household, steam, smelting, gas, coking, and blacksmith purposes, and had a specific gravity of about 1.29. First award.

New Lambton Colliery Company, Newcastle, exhibited a pillar of coal, from seam varying from 8 feet 1 inch to 9 feet 9 inches thick, with same characters as the last. First award.

Waratah Coal Company, Waratah, exhibited a pillar of coal, with floor attached; average thickness of seam, 10 feet to 9 feet 1 inch, of that which is usually mined. It had the same characters as the last two. First award.

New South Wales Shale and Oil Company, Sydney, exhibited a trophy of Australian boghead mineral or torbanite. First award.

Australian Kerosene Oil Mineral Company, Sydney, exhibited a trophy of Australian boghead mineral from Ioadja Creek. First award.

Bay of Islands Coal Company Limited, Auckland, exhibited a block of glance coal, showing every stage, from brown coal to anthracite; used for steam, household, brick-burning, and other purposes. Second award.

W. Whitely, Burrum, Maryborough, Queensland, exhibited a specimen block of coal, from seam 4 feet 6 inches thick, at 115 feet from surface. Second award.

A. C. Gregory, C.M.G., Brisbane, exhibited a collection of coals, as under:—

		Volatile in coking.		Fixed carbon.		Ash.	Water.	Total.
Burrum mine, Maryborough	...	31.5	...	64.0	...	4.5	...	100
Thomas's mine, Bundamba, near Ipswich	...	29.8	...	59.2	...	11.0	...	100
Jones's " " "	...	28.9	...	61.5	...	9.6	...	100
Waterston mine, Ipswich	...	25.2	...	62.0	...	12.8	...	100
Tivoli mine " "	...	26.7	...	66.4	...	6.9	...	100
Comet River, Rockhampton	...	25.0	...	65.3	...	9.7	...	100
Walloon, West Moreton	...	41.0	...	42.0	...	17.0	...	100
Hon. J. M. Thompson's mine	...	30.2	...	58.2	...	9.1	2.5	100

Also coals from Fassifern, West Moreton; from outcrop at Blackfellows Creek, Gatton; from Clifton mine, Darling Downs; and from near Rockhampton. Second award.

Vale of Clwydd Coal Company Limited, Lithgow Valley, New South Wales, exhibited a pillar of coal, from seam about 10 feet 7 inches thick. It was a splint coal, suitable for household, steam, smelting, gas, blacksmith, and coking purposes. Specific gravity, 1.32. Second award.

Osborne-Wallsend Colliery Company, near Wollongong, exhibited a pillar of coal from seam 7 feet 6 inches thick, without bands. It was a semi-bituminous coal, suitable for steam, household, smelting, coking, and blacksmith purposes. Specific gravity, about 1.35. Second award.

Illawarra Coal Company, near Wollongong, exhibited a pillar of coal from seam about 7 feet 6 inches thick, without bands, and had similar characters as the last. Second award.

Greta Colliery Company exhibited a pillar of coal 4 feet 6 inches high, cut from lower part of the seam, worked at the Greta Coal and Shale Colliery. The seam (all of the same quality) varies from 26 feet to 17 feet 6 inches thick, and the coal was raised from a depth of 450 feet. It was of excellent quality, and suitable for gas, household, steam, and other purposes. Specific gravity, about 1.25; and from its hard splinty nature bears shipment and carriage well. Second award.

W. R. Kissane, Melbourne, exhibited coal from Reward Company, Cape Patterson, Queen vein, 4 feet, and rock vein, 3 feet 6 inches thick.

Dr. W. F. Mackenzie and C. K. Moore, the Sugar Loaf, Mount Victoria, New South Wales, exhibited boghead or petroleum oil cannel coal, top and bottom cannel from outcrop of seam 1 foot 6 inches thick, which yields 130-150 gallons crude oil to the ton; and the same from Bathgate, near Wallerawang, top and bottom cannel from outcrop of seam 2 feet thick, which yields 17,000 cubic feet of gas per ton, having an illuminating power of not less than thirty-six candles. Second award.

COALS AND LIGNITES.

Country.	Colliery.	Character.	Sp. gr.	Water.	Vol. Hydrocarb.	Fixed Carbon.	Sulphur.	Ash.	Total.	Coke, per cent.
Victoria ..	Western Port Coal Co., Kilcunda (3) ..	Bright, non-caking, good quality	— {	6.59	32.25	56.38	—	4.78	100.	
" ..	Reward Co., Cape Patterson (2)—Queen vein	" good quality, pyritous..	—	7.26	29.24	59.13	—	4.37	100.	
" ..	Mosquito Creek, Moe, Gippsland (4) ..	" " " "	—	2.430	36.836	54.374	—	6.360	100.	
" ..	G. D. Carter, McKirley's Creek (3) ..	No information. Outcrop	—	3.73	28.43	56.94	—	10.90	100.	
" ..		Lignite, black, yields 6000 feet gas per ton	—	22.6	38.3	26.2	—	12.9	100.	
N. S. Wales	Coal Cliff Coal Mining Co., near Bulli (3)	Semi-bituminous, non-caking, free from pyrites, crumbly	1.378	.86	18.22	69.84	.28	10.80	100.	80.64
" ..	Greta Colliery Co. (1st degree of merit) (2)	Semi-bituminous, pyritous in veins	1.287	1.25	39.21	55.41	1.41	2.72	—	57.13
" ..	Illawarra Coal Co., Wollongong (2) ..	Semi-bituminous, non-caking..	1.354	.70	22.04	68.08	.42	8.76	100.	76.84
" ..	Newcastle Coal Mining Co. (3) ..	Bright coal, good coke	1.283	2.14	33.36	59.16	.58	4.76	100.	63.92
" ..	Newcastle Wallsend Coal Co. (1) ..	" " " "	1.347	2.29	34.21	58.60	0.62	4.28	100.	62.88
" ..	New Lambton Colliery Co. (1) ..	" " " " irregular bands	1.333	2.75	34.17	57.22	1.22	4.64	100.	61.86
" ..	Osborne-Wallsend Colliery Co. (2) ..	Semi-bituminous, non-caking..	1.291	2.61	30.62	59.56	.49	6.72	100.	66.28
" ..	Ulladulla (W. Stoddart) ..	Good bituminous coal	1.404	1.19	21.07	66.92	.62	10.20	100.	77.12
" ..	Vale of Clwydd Coal Co. (2) ..	Non-caking, bituminous, pyrites on faces	No particulars		35.02	52.36	.75	9.72	100.	
" ..	Waratah Coal Co. (1) ..	Bright coal, good coke, pyrites on faces	1.328	2.15	33.35	53.38	1.37	9.80	100.	63.18
" ..	Dr. F. Mackenzie and C. K. Moore, Mount Victoria	Boghead or petroleum oil cannel coal, yields 130-150 gals. oil to ton	1.293	2.45	38.16	54.12	.63	4.64	100.	58.76
" ..			1.303	2.21	36.70	55.82	1.12	4.15	100.	59.97
" ..			No particulars							
" ..	Dr. F. Mackenzie and C. K. Moore, Battlegate, near Wallerawang	Boghead or petroleum oil cannel coal, yields 17,000 cub. ft. 36-candle gas per ton	No particulars							
Queensland	Bowen Municipal Council (0) ..	No particulars								
" ..	A. C. Gregory, C.M.G., as under (2)—Burrum Mine, Maryborough, 4' 6" Thomas's Mine, Bundamba, near Ipswich Jones's " " "	— — —	— — —	— — —	31.5 29.8 28.9	64.00 59.2 61.5	— — —	4.5 11.0 9.6	100. 100. 100.	

[illegible]

MINERALS, ROCKS, AND FOSSILS.

H. A. Ward, Rochester, New York, exhibited an extensive collection of minerals, rocks, fossils, casts, skeletons, &c., &c., from all parts of the world. First award.

Government of the Dutch East Indian Archipelago exhibited a very interesting collection of rocks, ores, coal, &c., numbering about 500 specimens, accompanied by some well-executed geological maps, and a large number of descriptive works and atlases on geology and mining, the official catalogue of which is a model for imitation. First award.

The Borneo Company (Limited), Sarawak, Straits Settlements, exhibited a collection of the ores of antimony (including a fine mass of native antimony from Sarawak), arsenic, and load and stream cinnabar of great richness. First award.

The Perak Government, Straits Settlements.—This was a large collection, comprising both stream and lode tin from various districts, as well as the stripping, wash, and stratum, with the amount and weight of tin obtained, depth of stripping, depth of washdirt, &c., and three large tin splashes, one weighing 150 catties (225 lbs.) and two 80 catties each, tin ingots, &c. First award.

James Hector, M.D., C.M.G., F.R.S., Director of the Colonial Museum and Laboratory, Wellington, and of the Geological Survey, &c., exhibited a large collection, numbering 2500 specimens, illustrating the geology of New Zealand. The subdivisions of the different formations were issued in catalogue form by the New Zealand Commission. First award.

Professor Julius von Haast, Ph.D., F.R.S., Director of the Canterbury Museum, Christchurch, exhibited a large collection illustrative of pre-traditional man in New Zealand (the moa hunters), consisting of flakes, chipped and polished stone implements (of flint, obsidian, chert, &c.) found associated with moa bones, at Moabone Point Cave, Banks Peninsula, and elsewhere, to which were added stone implements of the Chatham Islanders, the Solomon Islanders, and the Fijians, with pre-historic stone implements from Europe, America, &c. These were exhibited with a view to show that, as far as New Zealand and the Chatham Islands are concerned, we cannot divide the stone implements into Palæolithic and Neolithic ages, both kinds having been used by the moa hunters and the Morioris (Chatham Islanders) at the same time. This collection numbered 1030 specimens. The professor also exhibited three complete skeletons of *dinornithidæ*, viz.:—*Dinornis maximus*, *palapterix elephantopus*, and *meionornis casuarinus*. These were articulated from material obtained in the tertiary deposits at Glenmark, after a study of some complete skeletons found in Otago, and were selected to illustrate the three most remarkable groups into which the exhibitor has divided the order. In relation to ethnology, Dr. von Haast exhibits a series of maps, sections, and drawings, including rock paintings from Weka Pass. First award.

Commissioners for South Australia, Adelaide, exhibited an extremely fine and well-arranged collection, representing the ores and minerals of the colony. These have been arranged and classified by T. C. Cloud, A.R.S.M., F.C.S., F.I.C., and number 809 specimens, although really many more were shown, owing to the Catalogue numbers in some instances including several specimens. Among them may be noticed—Crystallised calcite from Wallaroo; quartz encrusting calcite from Wallaroo; molybdenite from Yelta and Wallaroo mines; bismuthite and bismuthinite from Balhannah; hematite (like the Cumberland ore) from Barossa Range; arborescent native copper from Kaumantoo and Poona mines; the splendid masses of native copper from Moonta; the crystallised cuprite (ruby copper) from Burra Burra, Moonta, &c. (occurring in cubes and modified octahedrons); the beautifully marked malachite, exhibited by Sir H. Ayers, especially that with arborescent markings; the case of very handsome polished specimens of malachite, exhibited by T. S. Cloud; azurite from several localities; the fine crystals of atacamite from New Cornwall and Doora mines; the various occurrences of gold in

different minerals, more especially in bismuthinite from Balhannah mine, and in bornite from Lady Alice mine; and a rich specimen (37 ozs. 11 dwts.) of gold in ferruginous quartz from Woodside. Some of the copper mines—notably the Wallaroo—exhibit good collections, illustrating the nature of the walls of the lodes, with the ores accompanying them throughout their whole depth. The Commissioners for South Australia exhibit a trophy of Wallaroo cake copper, and English and Australian Copper Co.'s Burra P.C.C. ingots. First award.

Trustees of the Queensland Museum, Brisbane, exhibited a collection, chiefly economic, of the ores, rocks, and minerals of the colony, among which may be mentioned the plumbago from Stanthorpe; chrome iron from Ipswich and Rockhampton; antimony from Neardie; a specimen of the rare native antimony, said to come from near Townsville; a large block of oxide of bismuth from Cloncurry; manganese (psilomelane) from Gladstone; atacamite (a fine crystal), stated to be diopside in catalogue; diamonds from Stanthorpe; a large suite of marbles from Calliope and elsewhere; opal, in its ferruginous matrix, from Bulloo and Cooper's Creek, Barcoo River, &c.; a collection of palæozoic and cretaceous fossils, &c. First award.

R. L. Jack, F.G.S., F.R.G.S., Townsville, Government Geologist, exhibited a fine collection of fossils from North Queensland—viz., Devonian and carboniferous from Star River, Canoona, Broken River, Bowen River coalfield (equivalents of the "Lower marine beds," "Lower coal measures," and "Upper marine beds" of the New South Wales coalfield), also from the upper series of the Bowen River coalfield (equivalent to the "Upper coal measures" of Newcastle, Wollongong, &c., of New South Wales). The collection was arranged as follows:—Lower Devonian, Upper Devonian, carboniferous (middle or marine series), carboniferous (upper or freshwater series), carboniferous (marine beds in last). The whole series has been described by R. Etheridge, jun., F.G.S., of the British Museum, W. Carruthers, F.R.S., F.L.S., of the British Museum, and Professor H. C. Nicholson, M.A., D.S.C., &c. Accompanying this collection was a paper read before the Royal Physical Society, on 18th February, 1880, by R. Etheridge, jun., F.G.S., "On a Collection of Fossils from the Bowen River Coalfield, and the Limestone of the Fanning River, North Queensland," with numerous plates. This collection completely sets at rest the uncertainty hitherto felt as to the age of our coal rocks; as, notwithstanding the frequent assertion (against all evidence) that *Glossopteris* was a mesozoic plant, it is here to be seen in the same piece of rock with brachiopods and corals of undoubted carboniferous age. First award.

Captain W. H. Eldred, Sydney, exhibited a collection of cinnabar (sulphide of mercury) ores, associated with quartz, calcite, carbonates of copper and sandstone. The lode was said to be seven feet wide, and appeared to be a brecciated one, consisting of angular fragments of the "country" rock, surrounded by cinnabar and embedded in a calcite base, from Kilkivan, Wide Bay district, Queensland. Two bottles of mercury or quicksilver extracted from the ore were also exhibited. First award.

Department of Mines, Sydney, exhibited an extensive and well-arranged collection of rocks, minerals, fossils, ores, &c. The exhibits were chiefly of an economic character, and comprised a large collection of lode tin, among which may be specially noticed a case of fine specimens of crystallised cassiterite from the Bolitho mine, Cope's Creek, New England. Tin was also shown associated with beryl and chalcedonic quartz, from Craigend, the Gulf, New England, in granite. Lode tin has not, as yet, been worked to any extent, and the supply, which last year reached the value of £372,349 (being eight times as much as in 1872), has mainly been derived from alluvial and tertiary deposits. A trophy of tin ingots, weighing about nine tons, adorned with chains of bar tin, and wavy strips of rolled tin, the interstices being

filled with grain tin, was also exhibited. Among copper ores may be noticed the large masses of fibrous silky green carbonate from the great Cobar Copper Mine Company. A specimen from No. 5 Copper Hill, West Bogan, was also very rich. First award. A trophy or pyramid of ingots of copper, weighing about ten tons, from the Cobar Company, received first award. Of iron ores the Department made a good show. With the exception of the Eskbank Ironworks Company, at Lithgow Valley, this industry does not appear to thrive in New South Wales, notwithstanding the advantages possessed in the proximity of coal, limestone, and railways. A large collection of coal from most of the known localities was exhibited, as well as petroleum oil and cannel coal.

Gold in all its various modes of occurrence was shown, among which were specimens of auriferous quartz from Bonnie Dundee reef, Parkes (containing seventeen ounces of gold), gold from Forbes, and a nugget from Trunkey. Round the base of the gold trophy was also exhibited three tons of auriferous pyritous quartz from Adelong, giving an average yield of three ounces of gold per ton. The silver ores exhibited round the base of the silver trophy were from the Boorook silver mines. Lead ores were also shown in the same position. A fine collection of antimony ores and products from the Macleay River district and other localities was shown, and received first award.

The rock collection was very complete, and the collection of minerals good. Among the latter may be noticed the following:—Infusorial earth, containing melosiræ, from Barraba, peroxide of manganese or wad, assaying 77·2 per cent. of available peroxide, from a locality 34 miles south of Goulburn; a good sample of binocide of manganese, from the Kaiser Gold Mining Company, Mitchell's Creek, near Wellington; asbestos, from various localities, the best being from near Gundagai; noble opal, in a light grey vesicular basalt, from the Abercrombie River; alum and magnesian salts, from Cullen Bullen (Halotriclute); native arsenic, from Lunatic; peculiarly ribbed large quartz crystals, from Glenlyon; and amethyst quartz from near Bathurst; abnormally developed quartz crystals, with sunken or hollow terminals, associated with calcite and bitumen, from a basalt dyke faulting a coal seam at Wallsend; a bent quartz crystal, from Sidmouth Valley; water-stones or enlaydros, of similar character to those from Beechworth, Victoria, but of a dull grey (instead of yellow), and, in one instance, bright cobalt blue colour, from Home Rule, near Gulgong; and some good hone-stone from Bega. The collection included a series of gemstones, the most noticeable among which was a fine and large cut emerald, said to have been found at Kiandra, and some diamond crystals.

Among the departmental rock collection should have been noticed a large series of marbles. The specimens from Marulan, Rockley, Blayney, the Macleay River, Tamworth and Wallerawang districts, and the Manning River serpentine, are likely to come into notice.

The departmental series finishes with a splendid collection of fossils, numbering 470 specimens, illustrative of the principal sedimentary formations of the colony, mostly derived from the collections of the late Rev. W. B. Clarke. These have been arranged by C. S. Wilkinson, F.G.S., Government Geological Surveyor in charge. The whole collection numbers in all over 1400 specimens.

M. Isaacsohn, Sydney.—Collection of minerals. Although this collection was not strictly a New South Wales one, it was very nearly so, and, from its general excellence, was considered to be entitled to the award given. It included a good collection of gold specimens, with minerals, fossils, &c., and a case of very fine masses of quartz crystals. First award.

The Mining Department, Melbourne.—Collection of rocks, minerals, &c., arranged by Reginald A. F. Murray. This was by far the best representative collection yet brought together by the department. The rock collection was contained

in 18 cases, and numbered 609 specimens, illustrating the following formations:— Older igneous or Plutonic rocks; newer igneous or volcanic rocks; metamorphic rocks; lower and upper Silurian; lower, middle, and upper Devonian; mesozoic and associated coal rocks; tertiary, &c. The mineral and economic collection was contained in 21 cases, and numbered 874 specimens. The department also exhibited series of diamond-drill cores, of various sizes, and in different rocks and localities; a case showing the 24-inch coal seam passed through in a bore at Kilcunda; a case from David White, of Stawell, containing some interesting cores of contorted and foliated hornblende schist, with quartz and calcite veins, from depths between 800 and 1300 feet, in the Great Northern Cross Reef Gold Mining Company's mine there; a case of rich gold specimens from the Egerton Gold Mining Company, Egerton; a case of rich gold quartz specimens, associated with galena and pyrites, from the Band of Hope and Albion Consols Company, Ballarat; three cases of nugget models, 43 in number (including the last Inglewood find); a case of auriferous specimens, from the Washington Freehold Gold Mining Company, Ballarat; a number of specimens of auriferous quartz, from the Normanby Gold Mining Company's mine, Teacup Creek, Dargo, and the New Good Hope Company's mine, Grant, exhibited by H. Luke, of Sale; a cairngorm, cut and mounted, exhibited by Donald Fletcher, Beechworth; and a collection of cut gems (topaz, zircon, corundum, &c.), from Brankeet and Kangaroo Creeks, exhibited on behalf of Mrs. Sherring, Dry Creek, near Maindample.

Apart from this classified collection the Mining Department also exhibited a number of supplementary rocks, ores, &c., viz.:—

Quartz, with arsenical and other pyrites, from various claims on the Garden Gully line of reef, Sandhurst. A number of specimens of a so-called dyke, with reticulating quartz veins (some showing gold), from the "Crown" diorite dyke (?), Anderson's Creek, Warrandyte. Arsenical pyrites, from the South Scotchman's Reef, Stawell.

Stibnite, from Bombay Company, Heathcote; and from Ringwood, Blackwood, and other localities. Lead ores, from the Buchan River and Bethanga. Pyrolusite (oxide of manganese), in veins in quartz, from Tangil, Gippsland. Iron ore, from Dookie, near Benalla. Coal, from Colac; much decomposed and friable. Lignite, from Lal Lal, near Ballarat. Calcespar (carbonate of lime), from Dookie, occurring in close proximity to a valuable bed of iron ore. Dendrites on slate, from Carshalton Reef, Golden Gully, Sandhurst, exhibited by Winterbottom and Stevens, Sandhurst. Gabbro, from the Barrabool Hills, near Geelong. Selwynite, from near Heathcote. Also limestones, from Waurn Ponds, Geelong; from Limestone River, a source of the Murray River; and from Longford. Freestones, from Geelong. The Department received, for rocks, minerals, fossils, &c., first award.

H. B. Nicholas, senior inspector of mines, Castlemaine, to whom the Minerals and Mining Committee of the Exhibition were largely indebted for the time and trouble he had taken in collecting exhibits from his district, for which he received first award.

Higginson and Adet, and Pelletier and Co., New Caledonia, exhibited nickel ore from "Belair" and "Beaucourt" mines. The ore was mostly of a conglomeratic or brecciated character. First award.

L. Giraud, New Caledonia, exhibited a quantity of stibnite and five 12-inch cakes of "star" antimony, &c. First award.

Crowther and Mitchell, Northampton, Western Australia, exhibited two trophies of pig lead, for which they received first award, and an exhibit of ores, as follow:—Large masses of galena (coarse grained), from different depths in the Badara, East Badara, and Wheat Ellen mines, and from the Sister's mine, South Geraldine, with percentages varying from 73·84; carbonate of lead, from the same mines; copper pyrites and carbonates of copper, from South Geraldine and Badara

mines ; a sample of so-called plumbago, said to form an immense deposit a mile from the railway terminus, Northampton, the plumbago occurring in fine disseminated grains in an earthy ferruginous matrix ; a fine sample of zinc blende (sulphide of zinc, or black-jack), from Wheat Ellen ; and iron pyrites, in radiated botryoidal masses, from the same mine, associated with galena and zinc blende. Second award.

R. Damon, Weymouth, exhibited a collection of fossils, comprising some miscellaneous tertiary fossils ; a good series of upper cretaceous fishes, among which was a slab containing crowds of the small *clupœa minima*, all heading the same way. The upper oolite was represented by the genera *trigonia*, *waldheimia*, *ammonites*, *belemnites*, *pectea*, *echinus*, *cidaris*, &c. ; the lias, by *nautilus*, *ammonites*, *crinoidea*, *gryphæa*, the ink-bag of a *Sepia*, *Ichthyosaurus*, jaw and teeth, *Ichthyodorulite*, &c., &c. ; the Devonian, by a fine series of fishes from Scotland (? Cromarty) ; and the upper Silurian, by corals, crinoids, trilobites, &c. Second award.

J. Sugimura, Shigaken, Japan, exhibited a collection of 112 specimens of the minerals found in the various departments of Japan ; but the localities were not given. A list of Japanese minerals was given in the *Mineralogical Magazine*, volume 3, No. 13, July, 1879, page 96, by Professor John Milne, of Yeddo, Japan, which very nearly agrees with this collection. Thirteen specimens in the collection are not given in the list above mentioned ; and twenty-one minerals in the list are not in the collection. Second award.

Conté Giulio Jugegnere Pulle, Porto Ferrajo, Elba, exhibited eight cases of minerals from the island. Three of these consisted chiefly of pyrites and iron glance, beautifully crystallised ; one contained rocks and the remainder minerals, some of great beauty. These were accompanied by a map of the island. Second award.

W. A. Fernando, Ceylon, exhibited plumbago in lump, chips, and dust ; also a remarkably large mass of plumbago ; a large specimen, presenting a prismatic, semi-crystalline structure, at right angles to the walls of the vein or bed ; and a beautifully carved elephant in plumbago. Second award.

Commissioners for Tasmania, Launceston, exhibited a cabinet of minerals, numbering 432 specimens, with larger duplicate specimens of many, and extra specimens not in cabinet. They have been arranged by Thomas C. Just, M.H.A., and a descriptive catalogue accompanied them. They comprised samples from the Mount Bischoff Tin Mining Company, of dressed tin ore and sand in all stages before dressing ; washdirt from the different faces in work, giving the percentages of tin ; stream and lode tin from numerous localities ; white porphyry, slate breccia, chloritic rock, with fluorite, &c., from Mount Bischoff ; topaz from Flinders Island, Bass's Straits ; iron ores, limestones, coals (with analysis), clays, earths, &c., lead ores, antimonial lead, copper ores (mostly poor), silver ores, antimony ores, bismuth ores, miscellaneous minerals, auriferous quartz and gold (both reef and alluvial), fossils (*spirifer* and *productus*), from Chudleigh, exhibited by J. Higgs, and some cut and polished slabs of handsome serpentine. Second award. The commissioners also received first award for their trophy of ingots of Mount Bischoff tin.

Queensland Government exhibited a large collection of minerals, purchased from Nicholas Bartley ; but which were, however, not strictly colonial, nor were they properly classified or named. The collection contained a large number of specimens of the so-called occurrences of gold in various metals and minerals ; but, in nearly every instance, an examination showed that the gold occurred in *quartz*, and was merely in association with these minerals, or in cavities from which the previously contained pyrites had disappeared. Second award.

J. de Poix Tyrel, M.L.A., Stanthorpe, Queensland, exhibited tin ores and associated gems, as below :—Cabinet, with collection of stream tin in bottles, with

topaz, sapphire, &c., accompanying it ; tin sand, in twenty-three bottles, from claims at Stanthorpe ; stamped tin ore, in twenty-one bottles ; and dressed stream tin ore, in four bottles, from Brisbane tin mine. Second award.

Australian Asbestos Company, Gundagai, exhibited asbestos, raw and manufactured, and specimens of the rather novel occurrence of gold in serpentine rock. Second award.

J. H. Butchart, Sydney, for tin ore from Deepsinker's Mine, The Gulf, New England. This fine exhibit consisted of large waterworn boulders of solid cassiterite (oxide of tin). First award.

The Sandhurst School of Mines (per Alfred Mica Smith, F.C.S.).—Collective exhibit (including mining machinery). The mineral collection was as follows :—Auriferous quartz, from Alabama and Butler's Reef Company, Heathcote, very rich ; Carlisle and North Garden Company, Long Gully, Sandhurst ; Railway Reserve Company, Eaglehawk ; Great Southern Company, Great Extended Hustlers, Sandhurst ; New Chum Consolidated Company, Sandhurst ; North Shenandoah Company, Sandhurst ; Great Extended Hustlers, Carlisle, and North Garden Gully, and Passbye United mines, and Cornish United Company (pyrites). Samples illustrative of Messrs. Chapman and Edward's chlorination process for separating gold from pyrites ; stibnite from Whroo ; magnesite, from Heathcote ; quartz crystals, from Victoria gold mines, Long Gully, Sandhurst (J. Cock, exhibitor), and from Victoria Reef, Sandhurst (S. G. Cole, exhibitor) ; infusorial earth, from Talbot ; dendrites on slate, from St. Catherine's Reef United Company (Messrs. Proctor and Colquhoun, exhibitors) ; case of foreign minerals, undescribed, &c. ; graptolite slates ; mamillated sandstone, "lava streak" (basaltic dyke), from Carlisle and North Garden Gully Reef ; models of the "Beauty" and "Platypus" nuggets. Second award.

J. F. Bailey, Melbourne.—Six cases of Victorian fossils, well arranged, from the shores of Hobson's Bay, chiefly oligocene and pliocene mollusca, with some sharks' teeth, &c. Second award.

Jacob Braché, Northcote, near Melbourne, exhibited cobaltiferous manganese ore. The ore (a "wad") was disseminated through a decomposed dyke, near Walhalla, and was stated to occur in considerable quantity. It contained variable proportions of cobalt, from 2 to 6 per cent. As there is a large demand for cobalt blues in fine art pottery at present, this discovery is likely to be of some importance. Second award.

Lewis Mackenzie, Lillicur, near Amherst, exhibited a large mass, of about 250 lbs. weight, of infusorial earth, used for absorbing nitro-glycerine in the manufacture of dynamite, &c. The deposit is said to be 10 feet thick, and to cover an area of ten acres, probably the bed of an old lagoon. It overlies basalt. An analysis by R. W. E. M'Ivor, F.C.S., F.I.C., gave :—

Silica	...	...	...	...	85.70
Iron and alumina	...	...	...	...	1.22
Water and a trace of organic matter	...	...	...	...	11.50
					98.42

Technological Museum, Melbourne.—Case of the rare zeolites, phacolite, and philipsite. These were exceptionally fine specimens of these minerals, and they are associated with a rare form of aragonite, together with calcite, &c., and occur lining cavities in the basalt at the Corporation quarries, Merri Creek.

Of exhibits which were not awarded prizes, but of which we consider some notice should be taken, we have selected the following :—

N. Hingley and Sons, Netherton Iron Works, Dudley.—Block of coal, weighing $1\frac{1}{2}$ tons, from the Cawn Colliery, Old Hill Estate. This was from the

celebrated 10-yard seam (Staffordshire thick coal), which measures in places 39 feet, without clayband or parting. It is the finest iron-smelting coal in England. The exhibit only showed a thickness of about 2 feet, though looking greater from the fact of its being set on edge at right angles to the bedding planes.

Earl Granville, K.G., and the Shelton Bar Iron Company, Staffordshire.—Sectional plan of the Shelton coal and iron colliery, showing the iron and coal beds, faults, &c.:—

				Ash.		Sulphur.		Coke.
Ten-foot coal	...	...	...	4.63	...	0.87	...	78.00
Rowhurst „	...	...	...	2.30	...	0.55	...	66.00
Hardmine „	...	...	...	1.50	...	0.28	...	63.00
Bassemine ironstone (blackband), Redshag ironstone (blackband), Gubbin ironstone (clayband), Pennystone ironstone (clayband).								

West Cumberland Iron and Steel Company (Limited), Workington.—Blocks of hard red mamillated hematite iron ore, used for making Bessemer pig-iron, obtained from the Cleator district, about ten miles from Workington; blocks of soft red hematite, from do. do.; limestone; Irish aluminous ore, used as a flux; Spanish manganiferous ore, used for speigeleisen.

The Victorian Mining Department exhibited the following plans, &c.:—

Geological sketch map of the colony, on a scale of 8 miles to 1 inch, with recent corrections, and a new section, by Reginald A. F. Murray, across the colony. Geological maps of the following goldfields, on a scale of 2 inches to 1 mile, viz.:—Sandhurst, by Reginald A. F. Murray; Ballarat, by Reginald A. F. Murray; Stawell, by Norman Taylor; Ararat, by Ferdinand M. Krausé; Creswick, by Ferdinand M. Krausé. Geological sketch map of part of Beechworth. Geological sketch map of the Continent of Australia, compiled from all sources, by Arthur Everett, scale 50 miles to 1 inch. First award. Plans and sections of quartz lodes, or reefs, by Arthur Everett, as under:—Underground survey of the principal mines of Stawell, by H. C. Bate, showing elvans, &c.; scale, 120 feet to an inch. Underground survey of the Garden Gully line of reef, Sandhurst, showing the occurrence of the saddle-reefs there, and also of the “lava streaks,” or dykes, by Caleb Thomas; scale, 60 feet to an inch. Underground survey of the Hustler’s line of reef, Sandhurst, by Arthur F. Walker; scale, 30 feet to an inch. First award.

David Munro and Co., Melbourne, exhibited a plan of improved quartz-crushing battery, driven by horizontal engine; plan of horizontal engine, with winding and pumping gear; plan of 8-horse power vertical engine, with double winding gear; plan of a portable engine, with winding and pumping gear; and plan of a vertical engine, with winding and pumping gear. First award.

School of Mines, Sandhurst, exhibited plans of mines and machinery; underground workings of the Pandora Company, on the Garden Gully line of reef; plan of crushing mill and winding gear, drawn by Pearce Delbridge, aged sixteen. First award.

Messrs. Wright and Edwards, the patentees, exhibited the “Australian water auger”; also sections of bores at Laen (409 feet), Swan Water, and Pope’s dam, $4\frac{1}{2}$ miles from Laen. First award for the auger; and they are worthy of special mention for the sections of bores, as it is very desirable that accurate measurements should be taken of all boring operations.

The Department of Mines, New South Wales, exhibited two well-executed and valuable geological sketch maps of the colony, on the scale of 8 and 16 miles to 1 inch respectively, compiled from the late Rev. W. B. Clarke’s original map, and other sources. First award.

Professor de Kouinck’s “Recherches sur les Fossiles Palæozoïque de la Nouvelle Galle de Sud”—a work in which a large number of the fossils collected by the late Rev. W. B. Clarke are beautifully illustrated. First award.

Dr. Ottokar Feistmantel's "Illustrations of the Fossil Flora of Eastern Australia," in which are admirably figured the coal plants of the colonies. First award.

The following report on Dr. Feistmantel's publication has been received from Baron Von Mueller, K.C.M.G.:—

Melbourne, 25th February, 1881.

To J. Cosmo Newbery, Esq., Superintendent of Juries and Awards.

Sir—In response to your request, I have inspected Dr. Ottokar Feistmantel's publication on the "Palæozoic and Mesozoic Flora of Eastern Australia," written in the German language, which literary contribution forms one part of a series, issued under the name of "Palæontologische Beiträge," by the same author, through the celebrated establishment of Herr Theodor Fischer, of Cassel. As the exhibit in the New South Wales Court does not include the whole series, the question arises whether I ought to have reported on the whole, or only on the part brought out in 1878, concerning fossil plants of New South Wales, the main portion of the work referring to Indian fossils, and thus more properly coming under adjudication in the Indian Court. Practically, however, this does not affect the award, as I would suggest that, in any case, the first degree of merit for originality and utility in this description of exhibit be awarded for the essay concerning these New South Wales fossils, because it evinces penetrating research of an experienced investigator, who has been long and specially engaged in the elucidation of organic relics of former ages, and who, as a specialist, is employed in this capacity by the Government of India for the geologic survey of that empire. The publication, illustrative of vegetable remains of the palæozoic and mesozoic epoch of New South Wales, comprises thirty quarto lithograms, with scientific text, and brings together connectedly all that is known (from widely-scattered literary data) of the flora of that age, together with the numerous new observations now offered by Dr. Feistmantel in the publication referred to. The drawings are beautiful; and the fact that they emanated from Dr. Feistmantel's own hands is a guarantee of their perfect faithfulness. The text is lucid, and thoroughly scientific; while the lithographic and typographic workmanship is such as we might expect from Fischer's establishment. We have thus an important instalment towards the past flora of our own continent, the constituent parts of which are even now only fragmentarily known, from the imperfect material hitherto accessible.—I have the honour to be, sir, your obedient,

FERD. VON MUELLER.

The Commissioners of the Melbourne International Exhibition, 1880-81, exhibited a large gold trophy of the form (a rhombic-dodecahedron) in which, when crystallized, gold most commonly occurs in the colony. The formula for the calculation of this crystal was suggested by Mr. Reginald A. F. Murray, of the Mining Department. The three equal axes of the cubic system, to which it belongs, are each 22 ft. 5.87 in. in length:—Length of sides of each of the 12 rhombs, 9 ft. 8.86 in.; length of longest diagonal of the 12 rhombs, 15 ft. 10.83 in.; length of shortest diagonal of the 12 rhombs, 11 ft. 2.94 in.; surface area of each rhomb, 89 sq. ft. 59 sq. in.; total surface area, 1072 sq. ft. 137 sq. in. The proportions were calculated to the nearest whole numbers, or an amount of 49,100,000 ounces of gold; the amount, as given by the Mining Department, to the 30th June, 1880, being 49,098,408 ozs. 11 dwts. 6 grs., or about 1503 tons, of the value of £196,393,632. There is little doubt but that large quantities of gold found their way out of the colony in earlier times without being accounted for; and Mr. Birkmyre's estimate of the gold exported between the 1st October, 1851, and the 1st October, 1880—viz., 49,964,314 ozs. troy—may even be under the mark. The inscription on the trophy was written in English, French, German, and Italian.

The Sandhurst School of Mines had a trophy in the form of a pyramid representing the amount of gold raised between the years 1851 and 1878—viz., 11,000,000 ozs. troy, equal to 336½ tons, of the value of £44,000,000. Its corners rested upon cubes about two feet square, representing the yield of gold for the year 1879, and the spaces between were filled in with quartz from the celebrated Hustler's line of reef. They also exhibited a number of gilded, dome-shaped pots, representing some of the best yields of the Sandhurst (Bendigo) mines for different periods; and a full-sized representation of a saddle reef, 22 feet by 5 feet, and 23 feet high, built by G. Thureau, F.G.S., showing the mode of timbering drives.

The Pleasant Creek Cross Reef Q. M. Co., Stawell, exhibited a trophy of model (full-sized) ingots of gold, arranged as a pyramid, and representing the gold raised from their mine between 1st January, 1870, and June, 1880, amounting to 296,837 ozs. 4 dwts. 15 grs., equal to 9 tons 1 cwt. 2 qrs. $26\frac{1}{2}$ lbs., of the value of £1,106,151 17s. 10d., at £3 14s. $6\frac{1}{2}$ d. per oz. average value. This gold was obtained from 233,508 tons of quartz. The dividends paid by the company have amounted to £725,742 1s. 9d.; the wages to £187,988 18s.; and the total expenditure to £1,116,189 5s. 8d.

R. H. Bland, Clunes, exhibited a large model of a cake of retorted gold, representing 498,937 ozs. of standard gold, equal to 20 tons 16 cwts., from 1,151,347 tons of quartz, raised during the past twenty-three years, from the Port Phillip and Colonial Gold Mining Co.'s mine at Clunes.

The Department of Mines, New South Wales, exhibited an obelisk gold trophy, representing the total bulk of gold raised—viz., 9,066,601 ozs., of the value of £33,743,019; also a silver obelisk, representing the bulk of silver raised (mostly from Boorook)—viz., 661,270 ozs., of the value of £161,572.

The Maytown (Palmer River) residents—per P. F. Selheim, Warden—exhibited an emblematic column, representing the bulk of gold, of great purity, raised on the Palmer River goldfield, Cape York Peninsula, between November, 1873, and July, 1879, amounting to 946,716 ozs., of the value (exceeding £4 per oz.) of £3,948,500 sterling. The existence of gold on the Palmer River was first made known to the Government by Mr. William Hann's exploring expedition in 1872, the so-called *discoverer*, Mr. Mulligan, having afterwards followed on their footsteps, and proved its payable character.

The Queensland Commissioners exhibited an emblematic column, springing from a base of auriferous quartz, representing the bulk of gold, both reef and alluvial, raised in the colony between the years 1868 and 1879 inclusive, amounting to 3,447,679 oz., of the value of £11,762,316 sterling.

The New Zealand Commissioners, Wellington, exhibited an auriferous quartz trophy, in form of an octahedron, representing the total export of gold from New Zealand:—9,396,427 ozs.; value, £36,753,798.

NORMAN TAYLOR.

JURY SECTION XXIX.

Class 63.—Telegraphic Apparatus and Processes.

JURY.

R. L. J. Ellery, Chairman, Great Britain.
W. H. H. Lane, United States.
M. Kopsch, Germany.

P. Montandon, France.
P. R. Challen, Victoria.
K. L. Murray „

EXPERT APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

R. W. Selby.

SIR—The jury upon Class 63 have the honour to report as follows:—

The exhibits in this section were rather limited in number, only thirty (30) having been scheduled, and the jury found very few presenting novel features, or of more than ordinary interest. With the exception of a fine collection of telegraphic and electric apparatus, made by various makers, and exhibited by the New South Wales

Telegraph Department, a good collection of telegraph instruments by Theiler and Co., of London, and one also by Naglo Brothers, Berlin, the now very important and extensive manufacture of telegraph instruments was scarcely represented.

There were only two competing exhibits in telephones—viz., J. E. Edwards, of Melbourne, and the Western Manufacturing Company, Chicago and New York. In order to arrive at a decision with regard to these exhibits, a practical trial of both the receivers and transmitters was made in the building, and the relative merits tested in various ways.

Edwards, J. E.—Telephonic apparatus. — This was a small exhibit of telephones, of the Edison-Bell type, and microphonic transmitters with a specialty as regards some of the carbon contacts. On trial both telephones and transmitters gave very satisfactory results ; speech was received with considerable loudness combined with moderate crispness. Second award.

Western Manufacturing Company.—Telephonic and Telegraphic Instruments, &c.—An exhibit of telephones of the Edison-Bell type, with microphonic transmitters, excellently made. The jury found, on trial, the telephones exceedingly good ; and with the ordinary transmitters conveyed speech clear and crisp, without harshness, but not very loud. With Blake's transmitters speech came loud and strong, but somewhat harshly. So far as the experiments of the jury went, it appears that loudness can only be obtained at the expense of crispness and clearness. First award.

ELECTRIC TELEGRAPH INSTRUMENTS.

Myers, N., Melbourne.—Model Morse Apparatus.—This is a small working model of a complete table set of Morse's instruments, of the older style, fairly constructed. Fifth award.

Theiler, M., and Sons, London.—New Type Printing Telegraph, Telegraphic Instruments, Duplex and Single.—A very excellent exhibit of instruments by this well-known maker. The jury noted several details of a novel character, especially in one of the transmitting keys. A pair of mechanically duplex instruments, of first-class workmanship, was much commended by the jury, as was the ordinary Morse registers and sounders, which were excellently made, and worked with great smoothness and regularity. First award.

Naglo Gebrüder, Berlin.—Telegraph Apparatus.—A small exhibit of some excellent and well-constructed Morse telegraph apparatus of various kinds, and an electric fire alarm and railway bell apparatus. The jury commended this exhibit for the substantial character and good finish of the instruments, combined with very moderate cost. A very complete and handy set of field telegraph apparatus forming part of this exhibit is worthy of special notice. First award.

ELECTRIC BELLS AND INDICATORS.

There are two methods now in use for domestic communication, which will probably soon supersede the old bell-wire method. One is the electric bell, which can be set ringing by an electric current from a galvanic battery transmitted at will along an insulated wire to the bell by means of keys called "pushes." The other is the pneumatic method, in which the bells are connected with the pushes by a small metal tube ; each push consists of an elastic air-bag, by compressing which a similar air-chamber beneath the bell is expanded and lifts a simple ratchet mechanism, which, falling back immediately the pressure is removed from the push, rings the bell.

Sax, J., London.—Electric Bells and Telegraphic Apparatus.—This was an excellent exhibit of all the kinds of apparatus in ordinary use for electric bell and electric alarm service, including pushes, keys, bells, indicators, &c., all of excellent workmanship, and of ordinary forms. Second award.

Zimdar, C. E., London.—Pneumatic Bells and Indicators.—A very complete exhibit of the now well-known pneumatic method of communication, including bells, pushes, air-chambers, &c., well made and effective. Second award.

MISCELLANEOUS.

Joseph Bros., Melbourne.—Electric Apparatus for Torpedo Defence and other Telegraphic Apparatus.—The chief feature of this exhibit was a peculiar instrument used in torpedo defence operations. It is known as a "shutter apparatus," and consists of seven small electro-magnets and bells, with a small but conspicuous metal disc and lever to each magnet. It is arranged to receive the conducting wires from seven torpedoes, and when in use the apparatus is put in connection with a battery, and the discs are raised till caught in a notch of the armatures of the electro-magnets. Immediately any of the seven torpedoes are touched, get injured, or are fired, the current, in passing to the torpedo, traverses its particular electro-magnet, whose disc immediately drops and rings the bell, indicating which of the seven torpedoes has been struck. This apparatus was well constructed, and showed excellent workmanship throughout. First award.

Apps, London.—Electric Indicator of Temperature and Pressure.—This consisted of a thermometer and aneroid barometer, arranged with a battery and electric bell, so that, when any pre-arranged temperature or pressure of air occurred, the electric bell rings. Fifth award.

Edison, T. A., New Jersey.—Electric Pen.—This was one of the now well-known inventions of Edison's. First award.

Hardy, E., Paris.—Edison's Phonograph, with improved Governor, Electric Pen, &c.—This apparatus was a neat and well-made specimen of Edison's Phonograph. The maker has introduced some little novelty in the governor of the clock movement. It works well and effectively. One of Edison's electric pens was also in this exhibit. First award.

Boivin, A., et Cie, Paris.—Fire Alarm and Electric Target.—An electric fire alarm, consisting of a thermometer, the mercury of which comes in contact with a platinum wire when expanded by high temperature; also, an apparatus consisting of a target of cast-iron, whose surface is divided into segments. Each segment, when struck by a bullet, is forced back against springs, making a momentary electric contact before recoiling to its normal position. The target is connected by wires to the indicator, which shows, immediately the target is struck, which segment has been hit. The indicator has a totalising mechanism, so that more than one blow on each segment is recorded. The apparatus was thoroughly practical, well designed and constructed. First award.

Ducretet, Paris.—Electric Apparatus.—A few beautifully made instruments for lecturers, electricians, &c. Some had been damaged in transit, but the good design and excellent workmanship was much commended by the jury. First award.

Wallace and Sons, Connecticut.—Carbons for Electric Light.—Samples of carbon rods for electric lamp appeared good, and of even texture. Third award.

SUBMARINE TELEGRAPH CABLES, TELEGRAPH WIRE, POLES, INSULATORS, &c.

The jury decided that in the case of exhibits of wire for telegraph lines, the awards should be based upon the results of the ordinary series of tests for elongation, torsion, and breaking strain, made by a sub-committee of the jury. This was done, and a report furnished, by which the jury was guided.

Telegraph Construction and Maintenance Company, London.—A large and interesting exhibit of samples of submarine telegraph cables, consisting of deep sea, shore end, and intermediate types, which were distinguished chiefly by the weight of the *armouring*, or protecting wire. These samples were arranged in a somewhat historical manner, so as to exhibit the progress made in the manufacture of sub-

marine cables. Specimens of cables manufactured by this firm, used on various lines all over the world, which now extend over 71,000 statute miles, were here shown, with samples of both shore and deep-sea forms. First award.

Rattier et Cie, Paris.—Electric Cables.—Samples of various forms of insulated wire and submarine cables, chiefly with caoutchouc insulation. These specimens were of excellent manufacture, and the multiple insulated cores for land use especially so. Second award.

Westfälischer Draht-Industrie Verein, Hamm.—Samples of telegraph wire amongst a general exhibit of wire. This wire gave the best results of all the samples tested. Second award.

Schomburg, H., und Söhne, Berlin.—Porcelain Insulators.—This was a collection of telegraphic insulators among a general collection of chemical and other pottery. The insulators were of the highest order, and comprised all the best forms; the material was excellent, being vitrified throughout their substance, and at the same time exhibiting considerable toughness in fracture; the glazing was also uniform and good. First award.

Superintendent of Telegraphs, Sydney.—Collection of Telegraph, Electric, and Torpedo Apparatus.—This was a comprehensive and instructive exhibit of instruments and apparatus by various makers. Among the telegraph apparatus were examples of the earlier forms of electric telegraphs, and the progress of electric telegraphy could here be traced by the historical arrangement of instruments. Siemens' electric light apparatus, and various instruments used in torpedo defence, were also in this exhibit. The jury specially commended some telegraph apparatus constructed in the workshops of the department in Sydney. Taking into consideration the value, in an educational sense, of this comprehensive collection, the jury gave a first award to this exhibit.

ROBT. L. J. ELLERY, *Chairman.*

JURY SECTION XXX.

Class 65.—Navigation and Life Saving.

JURY.

Capt. R. Fullarton, Chairman, Victoria.	Lieutenant F. Bonnefoi, Italy.
Captain J. M'Lean, Great Britain.	P. Villanis
C. Schoessler, France.	E. Speyer, Germany.

EXPERT APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

W. Thomson, F.R.C.S.

No detailed report has been received from this jury.

JURY SECTION XXXI. AND XXXII.

Class 67.—Cereals, Farinaceous Products, and Products derived from them.

Class 68.—Bread and Pastry.

Class 69.—Fatty Substances used as Food ; Milk and Eggs.

Class 71.—Vegetables and Fruits.

Class 72.—Condiments and Stimulants ; Sugar and Confectionery.
Grain (sub-class).

JURY.

D. Gibson, Chairman, Victoria.	E. S. Harley, Great Britain.
W. Anderson, M.P.	J. Cowderoy
D. Whitley	Hon. T. Hogarth
J. Mitchell	Alfred Harvey
W. Aitken	N. Cox
Jas. Hutchens	W. P. Brown
Charles Smith	Michael Benies, Austria.
R. G. Wilson	Baron Von Mueller, Germany.
J. Macgregor	M. Gallay, France.
Alex. Fraser, jun.	Sig. D. Rocea, Italy.
Geo. Crespín	A. Campi (substitute), Italy.
William Adamson, Great Britain.	John Everard, Japan.

EXPERTS APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

G. Wellsted.

W. St. Paul.

No detailed report has been received from this jury.

JURY SECTION XXXIII.

Class 70.—Meat and Fish.

JURY.

Dean O'Hea, Chairman, Victoria.	P. J. Prendergast, Victoria.
R. Blanchard	E. H. Gregory, Great Britain.
John Little	W. C. Wilson
K. C. Brown, United States.	

EXPERT APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

G. Wellsted.

No detailed report has been received from this jury.

JURY SECTION—LADIES' JURY.

Mrs. J. W. Stephen, President.	Mrs. E. M. Testar.
Miss Florence E. Tripp.	Mrs. W. E. King.
Mrs. E. Prendergast.	Mrs. Murray (substitute).

EXPERTS APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

L. Moonen.

M. F. Bahse.

F. G. Cunningham.

No detailed report has been received from this jury.

JURY SECTION XXXIV.

Wines.

JURY.

B. C. Burstall, Chairman, Victoria.	H. Creswick, Victoria.
F. D. White	C. Braché
H. R. Hogg	L. Frère
L. A. Moody	Hon. R. Simson, Great Britain.
H. M. Gooch	Henry Beit, New South Wales.
P. A. Agnew	Max Rown, Austria.
T. C. N. Cooper	H. Courmeaux, France.
M. Rosenwig	E. Zezi, Italy.
E. Marks, Great Britain.	A. Campi (substitute), Italy.
J. Middlemiss, Victoria.	C. E. Fanning, Victoria.
W. Gillbee, M.R.C.S.E.,	J. A. Panton, P.M.,

EXPERTS APPOINTED TO CONSIDER JURY DECISIONS.

T. O'Grady.

J. Bosisto.

SIR—The jury appointed by the Executive Committee of the Melbourne International Exhibition to examine and report upon the wine exhibits have the honour to report as follows :—

The jury held their first meeting on the 18th November, 1880, and agreed to act under the following instructions, to which they desire to draw special attention :—First, the samples were to be placed before them as classified by the exhibitors, each sample being numbered for identification by the officer in charge of the cellars, the jury to be informed of the country to which the sample belonged, but not to have particulars as to the name of the grower or the exhibitor, or as to the description or the age of the wine; secondly, the estimate of the quality of each sample to be marked by numbers, the highest number being 21. The jury agreed upon the following graduated scale of numbers :—For the first class, 20 and 21; the second class, 18 and 19; the third class, 15, 16, and 17; the fourth class, 12, 13, and 14; the fifth class, 8, 9, 10, and 11; below which there was to be no classification.

The jury inquired whether an extra award might be given to wines of superlative quality, and the reply was in the negative. The list of awards, as shown by the comparative numbers, alone was to be handed to the Executive Committee. The jury had, therefore, no power to assign extra awards, however much they might desire to exercise it.

The number of exhibits from all countries examined was as follows :—France, 256; Germany, 209; Italy, 195; Austria, 63; Portugal, 31; Spain, 17; Victoria, 357; New South Wales, 159; South Australia, 149; New Zealand, 33; Western Australia, 13; South Africa, 11; California, 9—total, 1502.

The task of adjudicating occupied sixty meetings, at which a large majority of the working jury were always present. When a few meetings had been held, it was found that it would expedite the business in hand if the jury divided themselves into three sections, each section taking its fair proportion of samples; the awards of each section to be subsequently re-examined and adjudicated upon by the whole jury. Any wine to which an award had not been given by a section might be called for by any member of that section, or by the whole jury, for re-examination; and many of the samples were so called for and re-examined.

The number of samples thus re-examined and finally adjudicated upon was upwards of four hundred. The working jury then consisted of the following members :—B. C. Burstall (chairman), F. D. White (vice-chairman), H. R. Hogg, L. A. Moody, H. Courmeaux, H. M. Gooch, P. A. Agnew, T. C. N. Cooper, M. Rosenwig, E. Marks, A. Campi, J. Middlemiss, W. Gillbee, H. Creswick, C. Braché, L. Frère. Each separate sample was subjected to the most rigorous tests.

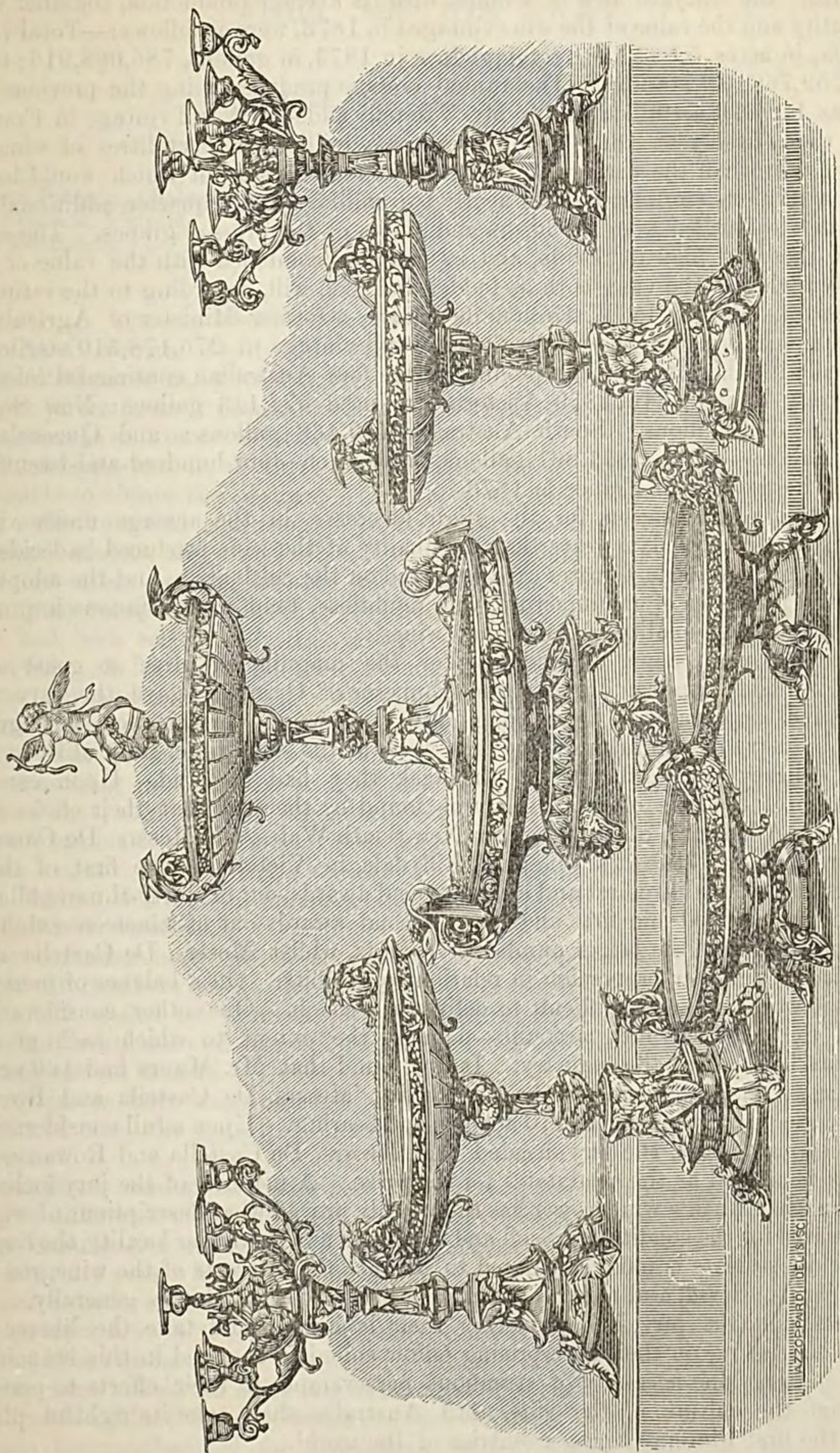
First amongst the exhibits, and standing high above all fair comparison with the growths of new countries, came those samples from world-renowned European vineyards whose products are the results of centuries of continually improved methods of cultivation and processes of manufacture. There can be no question that, on a basis of discriminating comparison, the first-class awards must be assigned to wines of that description, necessarily few in number. The jury were very decidedly of opinion that those wines ought to have had special awards, so as to place them out of comparison with wines produced under conditions so different that competition with the former could not be suggested. Acting, however, under the instructions furnished to them, the jury were unwillingly compelled to award only second honours to exhibitors who would otherwise have been entitled to the distinction accorded to first-class wines. Under these circumstances, it was simply inevitable that the numbers indicating the highest awards were confined to the samples from European countries.

The European wines are too well known, and have a reputation too well established, to render it necessary that any special remarks should be made on them. The jury regret that the exhibits from California and South Africa were too few in number to enable them to form a complete judgment on the general productions of those countries. They wish to express here their thanks to Professor Reuleaux for the assistance he rendered them in classifying the German wines.

The winegrowers of the Australasian colonies may well be congratulated on the generally high standard of excellence their products have attained, when brought into comparison with those of the old world, where the industry counts its history by centuries, whereas in this country it barely counts by decades.

It appears from the statistical returns of the last six years that the wine industry is not progressing in these colonies. In Victoria, for instance, the acreage under vines in the season 1874-5 was 4937; whilst in 1879-80 it was only 4284. The quantity of wine produced was, however, pretty nearly equal at the two periods. In 1874-5 it was 577,493 gallons; in 1879-80 it was 574,143 gallons. In the intervening period the quantity fluctuated from 755,000 in 1875-6 to 410,333 gallons in 1878-9. Mr. Hayter remarks on these figures:—"Although in 1879-80 the acreage under vines was less than in any of the other years mentioned, the wine produced was in excess of that in three of those years, and was about equal to that in a fourth." A diminished acreage, therefore, does not necessarily imply a decreased production of wine. The same facts are shown in the statistical tables of New South Wales, where the acreage was 4526 in 1873, and only 4266 in 1879; whilst the quantity of wine produced was 575,985 gallons in the former period, and 733,576 gallons in the latter period. In South Australia the decline under both heads is, however, distinctly marked. In 1873 the acreage was 5217; in 1879 it was 4117; and in quantity within the same period was from 733,478 gallons to 459,468 gallons.

This marked non-progressiveness in the area under cultivation is, no doubt, due in a great measure to the length of time that necessarily elapses between the planting of a vineyard and the obtaining of a profitable result. The greater honour is owing to those enterprising colonists who have laboured patiently and perseveringly at laying the foundations of an industry which will certainly, in course of time, become one of the chief sources of national wealth, and one of the main areas of profitable employment for both capital and labour, to the population of this portion of the British empire. When the enormously profitable results of the vine culture in France are contrasted with the comparatively small beginnings of the industry in these colonies, and when the fact is taken into account that the area available for vine culture in Australia is probably larger than that of the whole of Europe, an approximate idea may be formed of the magnitude to which the industry may here in time attain. According to an official statement issued by the French Minister of



THE EMPEROR OF GERMANY'S PRIZE—AWARDED TO MESSRS. DE CASTELLA & ROWAN, MELBOURNE.

Finance, and quoted by Mr. Henry Vizetelly, in his book entitled "The Wines of the World," the vineyard area of France, with its average production, together with the quantity and the value of the wine vintaged in 1873, were as follows:—Total vineyard area, in acres, 5,883,658; total produce in 1873, in gallons, 786,088,916; total value, £59,766,069 sterling. The annual average produce during the previous ten years was 1,176,076,199 gallons." Mr. Vizetelly adds—"A full vintage in France, such as that of the year 1869, yields its seventy millions of hectolitres of wine, or one-third more than the vintage of 1873, the increased value of which would be an extra four millions sterling, besides nearly two millions and a quarter additional for the eau-de-vie distilled from the husks and stalks of the pressed grapes. The after value of these as food for cattle, and as manure, combined with the value of the pruned branches of the vine, both as fodder and fuel, will, according to the estimate of Dr. Guyot, adopted by M. Drouyn de Lhuys, a former Minister of Agriculture and Commerce, bring up the total value of a full vintage to £76,178,310 sterling." Compared with these figures, the produce of the four Australian continental colonies appears very limited. In 1879 Victoria produced 574,143 gallons; New South Wales, 733,576 gallons; South Australia, 459,468 gallons; and Queensland, 104,674 gallons—total, 1,871,861 gallons, or about one-four-hundred-and-twentieth ($\frac{1}{420}$) of the produce in France in 1873.

It is some compensation for the slight decrease in the acreage under vine-culture in Australia of late years that the quality of the wine produced is decidedly improving on the whole. Greater care bestowed on the cultivation, and the adoption of improved processes of manufacture, will, doubtless, tend to continuous improvement of the average quality of Australian wines.

The invitation to name a candidate for the magnificent prize so generously bestowed by His Imperial Majesty the Emperor of Germany gave the jury the much-desired opportunity of bringing into conspicuous prominence this great national industry of the future; but they were, at the same time, fully alive to the extreme delicacy and difficulty of the task they had in hand. Upon careful examination of the lists of awards, it was found by the jury that their choice lay between Mr. A. Munro, of Singleton, in New South Wales, and Messrs. De Castella and Rowan, of St. Hubert's Vineyard, Lillydale, in Victoria. The first of these exhibitors had secured five first and eleven second awards, out of thirty-three exhibits; the second had gained four first and seven second awards out of nineteen exhibits. Mr. Munro had thus the larger number of awards, whilst Messrs. De Castella and Rowan had the greater proportion in relation to exhibits. On a balance of merit so very fine it was extremely difficult to deliver a decision. One other consideration remained to be taken into account—namely, the extent to which each of the competitors had carried the industry. It was found that Mr. Munro had 160 acres under vines, with 94 acres in full bearing, whilst Messrs. De Castella and Rowan had 250 acres under vines, with 210 acres in full bearing. Upon a full consideration of all these particulars, the jury decided that Messrs. De Castella and Rowan were entitled to be named as the candidates for the prize. A majority of the jury inclined to the view that when a winegrower has thoroughly proved what descriptions of wines are best suited for the conditions of soil and climate in any particular locality, the larger growth of those sorts is most calculated to advance the interests of the winegrowers in that neighbourhood, and thus to extend the limits of the industry generally.

In conclusion, the jury, in completing their labours, would take the liberty of earnestly impressing on their enterprising fellow-colonists engaged in this branch of national industry the necessity of strenuous perseverance in their efforts to perfect and extend the culture of the vine, until Australia shall take its rightful place amongst the first wine-producing countries of the world.

For the Jury,

B. C. BURSTALL, *Chairman*.

JURY SECTION XXXV.

Class 73.—Fermented Drinks.—Beers.

JURY.

William Johnson, Chairman, Great Britain.
James Garton, Victoria.
L. H. Leplastrier „

Prosper Lamal, Austria.
E. Stafford, Great Britain.
M. Schoessler, Germany.

CLASS 73.—BEER AND PORTER.

SIR—As Chairman of Jury No. 35 (Beers, &c.), I have the honour to submit the results arrived at by its members.

Your jurors deem it proper to offer a few explanatory observations touching the circumstances and mode of such examination.

The samples were in all cases so protected from observation that it was quite impossible to obtain the slightest clue from whence they were derived.

In order to avoid confusion of palate, not more than four or five samples were examined at one time, and when the best one had been unanimously selected, it was set aside and its number taken for further investigation and competition. Four fresh samples were then proceeded with, and so on till the whole number of beers had been tested. By this method some 120 barrels of beers were reduced to forty (40). A further competitive examination amongst these reduced the number to nineteen, and a still further examination, after due lapse of time, eventually eliminated two more; the remaining seventeen being all so good, your jurors did not feel justified in further reducing the number, which now had to be subjected to a most searching and, we may add, difficult task of being awarded their respective ranks of first, second, third, and fourth order of merit.

Our examination of bottled ales and porters was conducted in a precisely similar manner, and in no instance until all the members of the jury had signed a paper binding them to the decision, was it permitted to them to know whence such beer had been obtained.

The commissioners will observe that, in consequence of this ignorance on the part of the members of the jury, samples of beer such as Bass, Guinness, and some others, but bottled by different bottlers, became repeatedly selected as worthy of first consideration; and this will account for the seeming preference given by the jurors to certain brands.

Your jurors have ascertained, as a result of their investigations, that when any samples of beer were presented in both quarts and pints, the former were invariably the best.

Your jurors were almost invariably unanimous; and when, in one or two instances, a slight difference of opinion did occur, a postponement of the award to the next day of examination always ended in unanimity.

When any reason existed for suspecting that any particular sample of beer had received a little shaking in transit, and so was not in its best condition, fresh samples were always taken—occasionally, indeed, several times over, till a perfect one had been obtained.

Beers were submitted quite indiscriminately from all parts of the world, and had to be tested against one another at one and the same time.

Some beers submitted for competition had evidently been first class, but had gone beyond their prime, and the jurors were therefore unwillingly compelled to set them aside, or place them in an inferior rank.

Your jurors have had eleven meetings, extending over a period of one month, from 20th November to 20th December, and have deliberated, on an average, about three hours each sitting, so that ample time and care was duly taken to form a correct and acceptable judgment.

WM. JOHNSON, *Chairman*.

P.S.—Three very superior samples of beers from Fratelli Metzger were submitted to us after our report had been sent in. We therefore could not award them any position.

W. J.

JURY SECTION XXXVI.

Class 75.—Conservatories and Horticultural Apparatus.

Class 76.—Flowers and Ornamental Plants.

Class 77.—Vegetables.

Class 78.—Fruit and Fruit Trees.

Class 79.—Seeds and Saplings of Forest Trees.

Class 80.—Plants for Conservatories.

JURY.

J. Bosisto, M.P., Chairman, Victoria.

Hon. T. Bent, M.P.

Wm. Sangster, Victoria.

J. Harris, M.P., Great Britain.

C. Schoessler, France.

No detailed report was received from this jury.

JURY SECTION XXXVII.

Class 54—Apparatus and Processes used in Spinning and Rope-making.

Class 55—Apparatus and Processes used in Weaving

Class 56—Apparatus and Processes for Sewing, and for Making-up Clothing.

Class 58—Apparatus and Processes used in Paper-making, Dyeing, and Printing.

Class 59—Machines, Instruments, and Processes used in various Works.

JURY.

W. C. Kernot, Chairman, Great Britain.

J. A. Kay

G. H. Adams

D. T. Walton, United States.

F. Journet, France.

H. W. Puttman, Germany.

M. F. Bahse, Germany.

P. Villanis, Italy.

J. F. Droop, Victoria.

C. W. M'Lean

C. A. Chesney

R. J. Harvey

EXPERTS APPOINTED TO CONSIDER APPEALS AGAINST JURY DECISIONS.

R. G. Ford.

J. W. Bobardt.

P. Quarrel.

SIR—The jury beg to submit their report on the above Classes.

CLASSES 54 AND 55.—SPINNING, WEAVING, AND ROPE-MAKING MACHINERY.

There were thirteen schedules in these classes, many of the exhibits being of much interest.

The Sächsische Maschinenfabrik, "Hartmann," Chemnitz, Germany, exhibited carding, spinning, and preparing machinery, representing a complete set, showing the whole process of woollen manufacture by machinery of the first order. The jury being debarred by regulations from accompanying their awards by any special commendations, feel it their duty to direct the particular attention of the Committee of Juries and Awards to this exhibit, on the grounds of high class of machinery, fitness for the purposes intended, and the general interest and advantages to the colony and the Exhibition in seeing and having such an exhibit in full work. First award.

L. Permezel et Cie, Lyons, exhibited an improved power-loom for plain and fancy silk weaving. The vertical stand—the Permezel improvement—is calculated to increase the speed and make the warp go more softly. The loom was inspected at work, and gave entire satisfaction to the jury, the finish of the machinery being very fine. First award.

Chas. Gilbert and Company, Worcester, Mass., exhibited a tweed and shawl weaving loom, which was inspected in motion, and performed its picks with great rapidity, proving that it was adapted for fast weaving. First award.

Kerr, Price and Co., Paisley, showed machinery for winding cotton. This was an adaptation of Magee and Sons' cotton winder, with the addition of Kerr's patent shuttle thread winder. The trial of this machinery was satisfactory to the jury, the attendant changing rapidly from large reels to egg-shaped balls and machine reels. First award.

Fred. Shaw and Co., Huddersfield; J. Thompson and Co., Kendal; and Horstmans Frères, Liège, exhibited cards for spinning and weaving machinery. These were all well-finished goods, specially suited to their individual purposes. First awards.

Hallam Bros., Ecclesfield, exhibited steel hackles and gills, used in the preparation of flax. The case contained a full range of these well-prepared goods, from the finest imaginable to the stoutest used in the trade. First award.

CLASS 58.—PAPER MAKING, PRINTING, AND DYEING MACHINERY.

There were eighteen schedules in this class, comprising some excellent and a number of very useful exhibits of printing and bookbinding machinery.

John Greig and Sons, Edinburgh, exhibited a collection of bookbinding machinery, including a 32-inch self-clamping guillotine cutting machine, fitted for hand or steam power, improved lever millboard-cutting machine, cover-finishing machines, screw standing-press and bookbinding press. The exhibit was valuable, the self-clamping cutting machine especially showing the high finish and exactitude attainable in an important branch of machinery. First award.

W. Dawson and Sons, Otley, exhibited their "Wharfedale" and "Mitre" platten printing machines. The "Wharfedale" was a double demy of excellent finish, provided with self-delivering apparatus, and possessing several minor improvements in construction. This machine was well suited for the production of fine bookwork, as well as for general jobbing work. The "Mitre" platten appeared to be very strongly constructed, and was carefully elaborated with a view to meet the demands made upon high-class platten machines. First award.

Merritt Gally, New York, exhibited the "Universal" platten printing machine. This well-known machine was employed in the Exhibition, printing a catalogue of the American Court on hard paper, with very satisfactory results. From its great strength this machine is also adapted for use as an embossing press. First award.

W. Maul, jun., Dresden, showed a pair of envelope-folding machines, one with self-delivery—exhibiting high finish in workmanship and construction. First award.

W. Powell and Sons, London, for an "Empire" platten printing machine—a commendable and useful machine, of moderate price, somewhat unequal in finish—second award.

Golding and Co., Boston, exhibited a number of small printing presses, comprising the "Pearl" treadle press, which had a useful self-inking attachment, and the "Official" press, fitted for employment in mercantile offices. These presses were of neat and compact form, and moderate in price. Second award.

Hampson and Bettridge, London, for a well-finished ruling machine, second award.

Ph. Swiderski, Leipzig, exhibited two cylinder printing machines, one crown and the other double-crown size. These machines differed in several respects from those of English make; they possessed no cylinder brake; the inking table was of wood, and the feeder stands at the back of the machine facing the cylinder, and feeds from an extended table on his right hand. The machines were shown at work, and were found to run remarkably easy, and displayed a high degree of finish. Second award.

Alex. Seggie, Edinburgh, exhibited a double-crown cylinder printing machine, of fair workmanship, combining several of the most approved features of power presses. There was also a spring attachment to the ends of the rollers, designed to prevent their "jumping" when passing over the forme. Second award.

Jonker en Zoon, Amsterdam, exhibited a paper-folding machine. In this exhibit, although it displayed high finish in workmanship, there appeared to be some points of weakness, making it liable to derangement. The first and second folds were effected by means of a blunt-edged knife pressing the sheet between indiarubber bands, and the third fold was made by passing the sheet between two iron rollers, which also pressed it. The sheet was laid to points—a plan now generally superseded by the quicker method of laying to gauge. Second award.

Louis Antoine showed an envelope-folding machine. Second award.

The Birmingham Machinists' Co., Birmingham, exhibited their "Simplissimus" platten printing machine—an ingenious press, worked by hand power; the bed was stationary, and the rolling and pressing were effected by one movement; a useful appliance where cheapness of first cost is considered. Second award.

W. Powell and Sons, London, exhibited the "Quadrant" cylinder printing machine, which was constructed for hand and treadle power, possessing a large treadle for two operators; it was also provided with stop-cylinder gear, and was of cheap construction. It laboured under the disadvantage of being in very rusty condition from sea damage. Third award.

Bailey Brothers, London, for a collection of embossing presses and numbering machines and stamps, third award.

Charles Bailey, Sydney, showed the "Bailey Model" printing press, of elegant appearance, and exhibiting remarkable speed. It was adapted to printing visiting and other small cards, but from the position in which the type have to be fixed—viz., face downward—its applicability is limited. Third award.

CLASS 59.—MACHINES, INSTRUMENTS, AND PROCESSES USED IN VARIOUS WORKS.

There were thirty-five competing exhibitors in this class, the exhibits being of a miscellaneous character.

Hayward, Tyler and Co., London, exhibited machinery for the manufacture of aerated waters. The appliances and engine were of high finish. First award.

Smith and Hamilton, of Sydney and Toronto, for aerated water machinery, which was inspected in operation, and performed its work smoothly and rapidly, first award.

G. B. Mino e Figli, Alexandria, for a well-finished exhibit of goldsmith's machinery, first award.

J. T. Mourant, Collingwood, for an interesting exhibit of wood taps, spiles, spires, &c, which embraced some novelties and patents, and showed good workmanship and finish, first award.

E. Maisan et Cie, Bordeaux; A. Flach, Weisbaden; F. W. Schrieber, London; Mazzini, Marchesi Fratelli, Milan; and Rouppe van der Voort en Lewin, Bois-le-duc, for metal capsules, first awards.

F. W. Schrieber, London, for a capsuling machine, its superiority being a steel band compressor, enabling it to perform the operation of capsuling by one movement of the lever, first award.

Barrett and Ellers, London, for patent stoppered bottles; amongst five competitors this was considered the most effective appliance. First award.

Grimshaw and Baxter, London, for an extensive exhibit of watchmakers' tools, of superior finish, first award.

The British Syphon Manufactory, London, for syphons, seltzogenes, and syphon-filling machinery; this exhibit comprised a number of highly-finished articles, well known in commerce. First award.

Hugh Wilson and Sons, Melbourne, exhibited bootmaking machinery. Although the exhibitors did not claim any patents, several articles in this exhibit showed improvements upon the old class of machinery, and, taken as a whole, showed good workmanship. It comprised a number of appliances well suited to the boot trade, and calculated to lessen the cost of production. First award.

Grahl und Hoehl, Dresden, exhibited hat-making machinery, hydraulic power. First award.

Boldt und Vogel, Hamburg, for a bottling machine (needle) for champagne, jams, and pickles; also, bottle washing and filling machinery. The exhibitors had a large and useful collection of this class of machinery, simple in construction and efficacious in their trials. First award.

Owen Roberts, Melbourne, for a machine for painting laths for Venetian blinds. This little machine must effect a great saving of labour. It can be worked by two boys. Second award.

Samuel Lawson and Sons, Leeds, for rope-making machinery. This exhibit, having been frequently worked for the benefit of visitors, attracted a good share of attention. It performs the work required of it with ease and precision. First award.

E. Remington and Sons, Ilion, New York, exhibited a "type-writer." This ingenious machine effects its printing by the operator finding and touching (piano-like) the letter wanted upon an alphabetical key-board. There are also numerals arranged in the same manner. It should be useful to maimed or nervous writers. Second award.

CLASS 56.—SEWING MACHINES, &c.

SEWING, KNITTING, AND EMBROIDERY MACHINES.

The competition in sewing machines proved very keen, and great interest was evinced, both by the representatives of the makers and the public, in the result of the trials. The machines were removed from the stands and submitted privately to the jury, and their various qualifications explained and exhibited by skilled operators. The jury then retained possession of them for a time, and at their leisure examined the workmanship and material, testing the latter for hardness by the use of a file.

DOMESTIC MACHINES.

The Davis Sewing Machine Company, New York, exhibited the "New Davis Vertical-feed Sewing Machine." In this machine the shaft, pulley, and fly-wheel occupied the same position relatively to the other parts as in the well-known "Singer" form, and the vertical motion of the needle bar was produced by

the usual crank-pin moving in a heart-shaped cam ; here, however, the resemblance ended, and the remainder of the mechanism was of a most novel and curious kind. The shuttle, which moved in a curved path, was operated by a system of jointed levers, proceeding from a small eccentric placed on the shaft immediately behind the driving pulley, thus dispensing with the mitre wheels and vertical shaft hitherto so general. The feed apparatus was entirely removed from the usual position beneath the table of the machine, and was attached to the head. It consisted mainly of a vertical bar placed close to the presser foot, and which received suitable vertical and horizontal motions from mechanism contained in the head of the machine. Proceeding further, we found two other points entirely novel—first, the presser foot, instead of being continuously urged downward upon the work, was lifted slightly at the instant that the forward motion takes place ; second, the feeding was accomplished *while the needle was in its lowest position*, and the needle itself partakes of the forward motion of the feed-bar, pinning the two plies together, and causing both to advance equally. This machine was also provided with a very complete series of adjustments for counteracting the effect of wear, and an improved automatic bobbin-winder, and all its details were carefully and judiciously worked out. Owing, apparently, to its peculiar feed motion, the Davis machine possessed an astonishing power of passing over seams and other irregularities, and accomplished with the greatest ease a remarkably wide range of work. It was also provided with a very ingenious and novel set of attachments, adapted to work in unison with the new feed motion, and enabling very complicated operations to be performed with facility, and, in many cases, dispensing altogether with the necessity of guiding the work by hand. It was at first supposed by the jury that this excellent performance was in some measure due to the special skill of the operator. This view was, however, entirely negatived by the fact that a change of operator in no way impaired the result. The Davis machine was made for either foot or hand power, and performed equally well in each case. To it the jury awarded the only first order of merit as being pre-eminent for simplicity, convenience, efficiency, and rapidity, both as a treadle and a hand machine. First award.

The Wheeler and Wilson Manufacturing Co., Connecticut.—The machine submitted differed greatly from the original form adopted by that firm, the curved needle and eccentric motion being abandoned, and a straight needle bar actuated through a bell crank from a cylindrical cam, such as has always been used in the Howe machines, being employed. The rotating hook and disc-shaped bobbin still retained their places, however, as substitutes for the shuttle, and a peculiar connection caused the hook to perform different parts of its revolution at different speeds so as to facilitate the formation of the stitch. Second award.

The remaining exhibitors adhered generally to the type usually identified with the name of Singer in the case of treadle machines, introducing small improvements in the way of automatic bobbin-winders, &c. In hand machines a greater variety of design was visible.

MANUFACTURING AND LEATHER MACHINES.

The Wheeler and Wilson Manufacturing Co., Connecticut.—This machine was of similar construction, but more massive dimensions than their family machine, and which performed the feat of sewing together all the parts of a pair of moleskin trousers in the space of nine minutes, doing its work smoothly and well. First award. This company also exhibited a machine of similar design to their domestic machine already referred to, which did good service on leather, but the stitch was not so firmly drawn up as in the case of the shuttle machines. First award.

Jones and Co., Manchester.—Of this exhibit the flowering machine, which was of the Howe type, with a well-made wheel feed and independent vibrating arm for

relieving the pressure on the presser foot at a certain period in the formation of the stitch, and the repairing machine, performed most creditably. First award.

Koch und Co., Bielefeld, showed a very powerful machine for heavy trace sewing. First award.

R. B. Turner et Cie, Brussels, exhibited a very large and well-designed machine for making sacks. First award.

Two of the largest sewing-machine houses—namely, those constructing the well-known Singer and Howe machines—though largely exhibiting, declined to compete. This circumstance is to be regretted, as rendering the comparison instituted by the jury the less complete. Nevertheless, it will be observed that while these particular machines were not tested, others on the same principles, and differing only in the smallest and least important details, did compete, with above-mentioned results.

KNITTING MACHINES.

Two of these were submitted to the jury, one by the Lamb Knitting Machine Company, Chicopee Falls, Mass., the original inventors, and one by Claes and Flentje, of Germany, exemplifying various improvements and modifications, including a steel bed instead of the usual cast-iron one.

EMBROIDERING MACHINES.

Some of the ordinary sewing machines were provided with attachments for the purpose of producing embroidery. In the French Court, however, several machines made specially for this purpose, making the Tambour stitch, and presenting some very curious and intricate mechanical combinations, were shown by E. Cornely, Paris.

W. C. KERNOT, *Chairman.*

EXPERTS' REPORT.

We have made a practical test and thorough examination of the machines exhibited by the Bradbury, Grimme Natalis, Wertheim, Wheeler and Wilson Manufacturing Co., Jones and Co., Johnson, Clark and Co., and "The Davis." We find that the Bradbury, Grimme Natalis (Cramer withdrawn), Wertheim, and Jones, are all of the Singer type, and similar in construction, and should be classed in the same orders; the Wheeler and Wilson being different in construction, but the results of experiments are similar to the former.

The Standard of Messrs. Johnson, Clark and Co., is the only machine submitted (except "The Davis") with a radial shuttle movement, and, therefore, worthy of the consideration of the jury. If this machine had been supplied with similar accessories to "The Davis" (which, we believe, are manufactured by the company), we would strongly have recommended it to be raised to the first order of merit.

As regards "The Davis," we cannot but agree with the jury that it is very superior to any of the others, and went through every test to our entire satisfaction.

For heavy leather machines we beg to recommend the Bradbury for first order of merit, for the following reasons:—The spool is interchangeable; the small area of the extreme end of the lower arm, which enables the operator to sew closer to the toe of the boot than any other exhibit.

Leather Flowering Machines.—Bradbury and Co. Limited, first order of merit, for the following reasons:—Double bar, shuttle guide; construction practically the same as the Jones.

Manufacturing Machines.—First order of merit for Bradbury and Co. Limited, because all working parts are practically the same as Jones's, and the work produced similar in quality.

Kilters.—First order of merit for Bradbury and Co. Limited, as the only machine of its class in the Exhibition. The working parts are strong and simple, and the quantity of work produced is excellent.

The following table was compiled by the experts on sewing machines as the result of their examination:—

Exhibitor's Name.	Leather Sample.		Long Stitching Sample.		Binding.	Ruffling.	Lace and Frilling.	No. of Parts comprising the Machine.	No of Parts of Hard Steel.	No. of Parts in Motion.	Speed.	Speed Stitching.	Tension.	Height.	Gap.	Shuttle Movement.	Lift of Needle.	Stroke of Shuttle.	No. of Accessories.	Go as you please for half-hour.	Needle Tension.	Needle Variation.	Shuttle Tension.	Shuttle Variation.
	Time.	Needles used.	Time.	Needles used.																				
Bradbury & Co. Limited	6 min. Medium.	2	25 min. Gave out	..	..	..	..	163	3	8	550	565	Disc	3½	7	Parallel	1½	..	12	1 sample	1½	0	½	
Cramer, W.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Grimme Natalis und Co.	.. Gave out	..	.. Broke down Medium	..	..	..	..	151	3	8	570	..	Disc	3½	7	Parallel	1½	2½	10	4 samples Bad	2½	½	4	
Wertheim, Joseph	3 min. 8 Th reads Medium	2	30 min. Medium	..	7 min. Good	..	14 min. Good	153	2	8	450	575	Disc	3¼	7	Parallel	1¼	2½	15	7 samples Medium	1½	½	3	
Wheeler & Wilson Manufacturing Co.	4½ min. Medium	..	25 min. Bad	..	..	5m. 20s. Medium	6 min. Medium	175	4	11	520	570	..	4½	8	Circular	1½	..	11	5 samples Good	1	½	1	
Jones & Co.	.. Gave out	..	.. Gave out	..	7 min. Good	..	11 min. Medium	161	4	9	625	620	Disc	3½	7½	Parallel	1½	2½	9	5 samples Good	½	½	½	
Johnson, Clark & Co.	.. Gave out	..	11½ min. Medium	..	..	5 min. Good	..	169	4	9	475	590	Plate	5	7½	Radial	1½	3	12	7 samples Good	2½	0	½	
The Davis Sewing Machine Co.	2 min. Good	..	17 min. Good	..	1 min. Good	1 min. Good	8½ min. Good.	133	11	11	520	575	Wheel	4	9	Radial	1½	2½	17	22 samples Good	3½	0	3½	

JURY SECTION XXXIV_A.

Spirits.

JURY.

George G. Allen, Chairman, Victoria.	J. N. Vickers, Victoria.
Hon. R. Simson, Great Britain.	H. Creswick „
M. H. Cormeaux, France.	O. Levey, Belgium.
G. G. Crespín, Victoria.	J. S. Roberts, Victoria.
G. Heath, Victoria.	

EXPERTS APPOINTED TO CONSIDER JURY DECISIONS.

W. Johnson.	H. Leplastrier.
R. S. Danson.	

No detailed report has been received from this jury.

JURY SECTION XXXIV_B.

Vermouth Wines.

JURY.

E. Marks, Chairman, Great Britain.	C. Braché, Victoria.
J. Kaepel, Italy.	M. Rosenwig „
A. Campi „	W. Gillbee, F.R.C.S.E., Victoria.

No detailed report has been received from this jury.

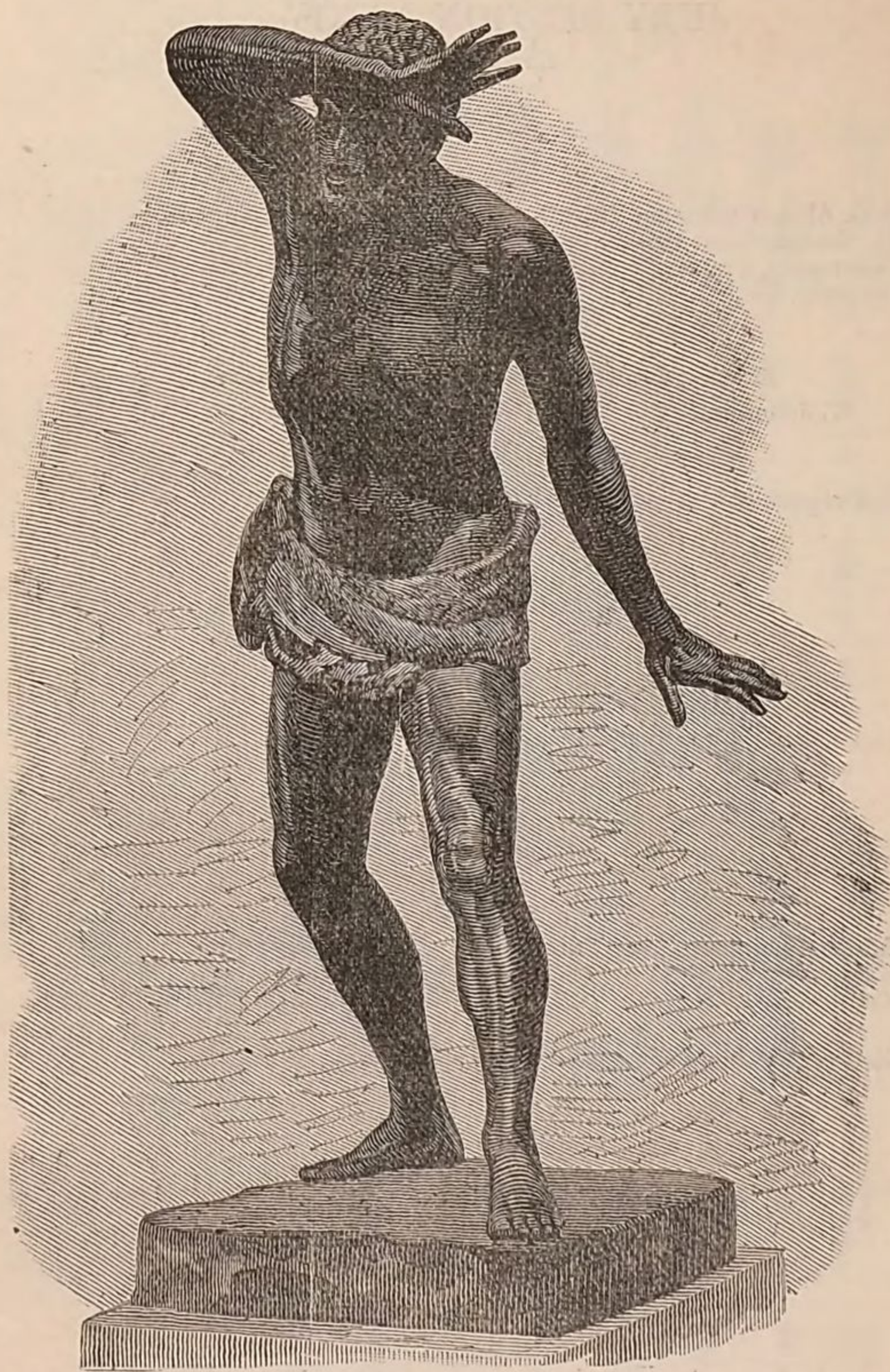
JURY SECTION XXXIV_C

Cordials.

JURY.

W. Johnson, Chairman.	E. Marks.
J. Hicks.	G. Heath.
M. F. Kruse.	R. S. Danson.
J. G. A. Stitt.	H. Leplastrier.

No detailed report has been received from this jury.



BRONZE STATUE OF "CAIN," BY DUPRÉ, CAST AND EXHIBITED BY
MORENI A. TOGNOZZI, OF FLORENCE.

OFFICIAL AWARDS.

MELBOURNE INTERNATIONAL EXHIBITION, 1880-81.

AUSTRO-HUNGARY.

Jury Section I.—FINE ARTS.

FIRST ORDER OF MERIT.

OLEO, CHROMO-LITHO, AND CHROMO-TYPOGRAPHS.		ENGRAVED & LITHOGRAPHED MAPS.
Hölzel, Eduard, Vienna	silver	Artaria und Co., Vienna bronze

SECOND ORDER OF MERIT.

LITHOGRAPHY, ARTISTIC AND COMMERCIAL.		ENGRAVED AND LITHOGRAPHED MAPS.
Gerlach, M., und Co., Vienna	certificate	K.K. Geologische Reichs Anstalt certificate
OLEO, CHROMO-LITHO, AND CHROMO-TYPOGRAPHS.		PHOTO-LITHO & PHOTO-ZINCOGRAPHIC REPRODUCTION.
Czeiger, S., Vienna	certificate	Engel, E. M., Schottenring, Vienna certificate
Reiffenstein, G., Vienna	certificate	CEILING PICTURES & OIL PICTURES.
		Devidé, Th., Vienna certificate

Jury Section II.—SCULPTURE, BRONZES, &c.

SECOND ORDER OF MERIT.

BRONZES.		WOOD CARVINGS.
Tilgner, Victor, Vienna	certificate	Jäckel, Z. J., Spitz-on-the-Danube certificate

THIRD ORDER OF MERIT.

WOOD CARVINGS.	
Unterberger, F., Innsbruck (Tyrol)	certificate

Jury Section III.—EDUCATIONAL.

FIRST ORDER OF MERIT.

MAPS.

Artaria und Co., Vienna	gold
K.K. Geologische Reichs Anstalt, Vienna	(1)

SECOND ORDER OF MERIT.

MAPS.

Hölzel, Eduard, Vienna	certificate
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THIRD ORDER OF MERIT.

SCHOOL APPLIANCES.

Jansky, Carl, Tabor (Bohemia)	certificate
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FIFTH ORDER OF MERIT.

SCHOOL APPLIANCES.

Eichler, Josef, Vienna	certificate
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Jury Section IV.—PRINTING, STATIONERY, BOOKBINDING.

FIRST ORDER OF MERIT.

PRINTING PAPER.		FANCY STATIONERY PAPER AND ENVELOPES.	
Actiengesellschaft der k.k. Priv. Papier Fabrik Schlöglmühl, Gloggnitz	silver	Franz Plentl's Söhne, Graz	silver
Fialkowski Gebrüder und Twerdy, Bielitz and Biala	silver	Theyer und Hardtmuth, Vienna	silver
PLATE PAPER.		CHROMOS & GENERAL LITHOGRAPHY.	
Eichmann und Co., Arnau	silver	Hölzel, Eduard, Vienna	silver
TISSUE PAPER.		WRAPPING PAPERS.	
Ellissen, Röder und Co., Theresienthal	silver	Schmied's Söhne, Gr. Ullersdorf	bronze

SECOND ORDER OF MERIT.

LITHOGRAPHIC PROOFS.		WRITING PAPER.	
Engel, E. M., Vienna	certificate	Actiengesellschaft der k.k. Priv. Papier-fabrik Schlöglmühl, in Schlöglmühl, near Gloggnitz	certificate
Gerlach, M., und Co., Vienna	certificate	Eichmann und Co., Arnau	certificate
PENCILS.		Ellissen, Röder und Co., Theresienthal	certificate
Hardtmuth, L., und Co., Budweis	certificate	WRAPPING PAPER.	
PRINTING PAPER.		Actiengesellschaft der k.k. Priv. Papier-fabrik Schlöglmühl, in Schlöglmühl, near Gloggnitz	certificate
Kink, Martin, und Co., Vienna	certificate	BOARDS.	
Neusiedler Actiengesellschaft für Papier-fabrikation, Vienna	certificate	Kink, Martin, und Co., Vienna	certificate
Ruhmann, Adolf, Vienna	certificate		

(1) Certificate equal to gold.

BLOTTING, TISSUE, AND CIGARETTE
PAPERS.

Eichmann und Co., Arnau certificate

PRINTING MATERIAL, BRONZE
POWDERS.

Mráz und Ressel, Prague certificate

THIRD ORDER OF MERIT.

PUBLICATIONS.

Gerlach, M., und Co., Vienna certificate
 Karafiat, Fr., Brünn certificate
 Verlag der "Oesterr-ungar Kunst-
 Chronik," Dr. Kabdebo, Vienna certificate

PRINTING.

Vernay, John N., Vienna certificate

STEREO. INITIALS, MOUNTED.

Denk, Hans, Vienna certificate

LITHOGRAPHS.

Stockinger, J., und Morsack, Al.,
Vienna certificate

WRITING PAPER.

Kink, Martin, und Co., Vienna certificate
 Neusiedler Actiengesellschaft für
 Papier Fabrikation, Vienna certificate

WRAPPING PAPER.

Eichmann und Co., Arnau certificate
 Fialkowski Gebrüder und Twerdy,
 Bielitz and Biala certificate
 Kink, Martin, und Co., Vienna certificate

BOX-MAKING PAPERS.

Weiss, C. und W., Prague certificate

BLOTTING PAPER.

Actiengesellschaft der k.k. Priv.
 Papier-fabrik Schlöglmühl,
 Schlöglmühl certificate

TISSUE PAPER.

Kink, Martin, und Co., Vienna certificate

CARDBOARD.

Neusiedler Actiengesellschaft für
 Papier Fabrikation, Vienna certificate

Jury Section VI.—MUSICAL INSTRUMENTS.

FIRST ORDER OF MERIT.

SHORT GRAND PIANO.

Oeser, Franz, Vienna gold

CLARIONETS.

Uhlmann, Leopold, Vienna silver

COMPLETE SETS BRASS INSTRUMENTS.

Fuchs, Daniel, Vienna silver
 Hüttl, A. K., Graslitz, in Bohemia silver
 Lutz, A., und Co., Vienna silver
 Placht, W., und Co., Vienna silver
 Uhlmann, Leopold, Vienna silver

BIG DRUM, CYMBALS, SIDE DRUMS.

Placht, W., und Co., Vienna silver

GUITARS.

Lutz, A., und Co., Vienna silver

HARMONICAS.

Thie, Wilhelm, Vienna silver

ZITHERS.

Kirchner, Gebrüder silver
 Kiendl, Anton silver

ZITHER STRINGS.

Kirchner Gebrüder, Vienna bronze

SECOND ORDER OF MERIT.

GRAND PIANOS.

Hoffmann, Carl, Vienna certificate
 Hölzl, Lambert, Vienna certificate

GUITARS.

Placht, W., und Co., Vienna certificate

CLARIONETS.

Tomschik, M. P., und Sohn, Brünn certificate

CORNETS AND TRUMPETS.

Tomschik, M. P., und Sohn, Brünn certificate

VIOLIN STRINGS.		CONCERTINAS.	
Placht, W., und Co., Vienna	certificate	Hüttl, A. K., Graslitz, in Bohemia	certificate
		Placht, W., und Co., Vienna	certificate
OCARINAS.		FLUTES.	
Fiehn, Heinrich, Vienna	certificate	Breinl, A. R., Graslitz, in Bohemia	certificate

THIRD ORDER OF MERIT.

VIOLINS.		CONCERTINAS.	
Diener, J., Graslitz	certificate	Trimmel und Zettl, Vienna	certificate
Placht, W., und Co., Vienna	certificate		

FOURTH ORDER OF MERIT.

VIOLINS.		CLARIONETS.	
Hüttl, A. K., Vienna	certificate	Lutz, A., und Co., Vienna	certificate
Lutz, A., und Co., Vienna	certificate		

Sub-Jury.—PRINTED MUSIC.

FIRST ORDER OF MERIT.

PERFECT AND COMPLETE METHOD OF TEACHING MUSIC.		VIENNA ZITHER SCHOOL.	
Schmitt, Prof. Hans, Vienna	silver	Umlauf, J. F. Carl, Vienna	silver

SECOND ORDER OF MERIT.

HUBER'S ZITHER SCHOOL.

Huber, August, Vienna	certificate
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HONOURABLE MENTION.

PUBLICATIONS FOR PROMOTING ZITHER PLAYING.

Simani, Dr. Jürg, Kometau, Bohemia	certificate
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Jury Section VII.—MEDICINE, HYGIENE, AND PUBLIC RELIEF.

FIRST ORDER OF MERIT.

MEDICAL AND SURGICAL INSTRUMENTS.

Reiner, Heinrich, Vienna	gold
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SECOND ORDER OF MERIT.

SURGICAL INSTRUMENTS.		SYRINGES.	
Odelga, J., Vienna	certificate	Pochtler, Carl, Vienna	certificate

FOURTH ORDER OF MERIT.

BANDAGES AND GLOVES

Kubik, Joh. Nep., Stuhlweissenburg	certificate
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Jury Section VIII.—MATHEMATICAL AND PHILOSOPHICAL INSTRUMENTS, &c.

SECOND ORDER OF MERIT.

REGULATOR CLOCKS.

Lazarus und Rosenfeld, Gablonz, in Bohemia certificate

THIRD ORDER OF MERIT.

DRAWING AND PLOTTING INSTRUMENTS.

Kraft, E., und Sohn, Vienna certificate

FIFTH ORDER OF MERIT.

SPECTACLES AND EYE LENSES.

Schweizer, A., und Co., Vienna certificate

CUTLERY.

Messer-Industrie-Export-Gesellschaft, Wsetin certificate

Jury Section IX.—FURNITURE AND ACCESSORIES.

FIRST ORDER OF MERIT.

TAPESTRY WALL DECORATIONS, TAPESTRY AND COLOURED PAPERS.

Spörlin und Zimmermann, Vienna silver

BENT-WOOD FURNITURE.

Thonet Gebrüder, Vienna silver

CHEAP AND FANCY FURNITURE (BENT-WOOD FURNITURE).

Kohn, Jacob und Josef, Vienna silver

FURNITURE.

Ludwig, Bernhard, Vienna silver

SECOND ORDER OF MERIT.

PARQUET FLOORING.

Leistler, Carl, Vienna certificate

BILLIARD-TABLE.

Knill, Joh., Vienna certificate

BENT-WOOD FURNITURE.

Fischel, D. G., Söhne, Nimes, Bohemia certificate

FRAMES.

Scheidl, A., Vienna certificate
Spatz und Stupperger, Vienna certificate

THIRD ORDER OF MERIT.

FURNITURE.

Radinger, L., Vienna certificate

BENT-WOOD FURNITURE.

Eissler, Josias, und Söhne certificate

BILLIARD-TABLE.

Zizulad Gebruder, Vienna certificate

FRAMES.

Drächsler, C., Vienna certificate

TWO DININGROOM SUITES.

Kramer, Donat, Vienna certificate

FURNITURE STUFFS AND EMBROIDERIES.

Giani, Carl, Vienna certificate

FOURTH ORDER OF MERIT.

CHAIRS.

Riby, Carl A., Mariano in Istria	certificate
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BLINDS AND WINDOW MATS.

MATTRESS AND WOOD SPRINGS.

Kollischer, Moritz Wladislaw, Vienna	certificate
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Behnfeld, Fred., und Sohn, Vienna	certificate
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Jury Section X.—GLASSWARE AND POTTERY.

FIRST ORDER OF MERIT.

GLASSWARE, ORNAMENTAL AND FOR
HOUSEHOLD PURPOSES.

Schreiber, J. und Neffen, Vienna	gold
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GLASSWARE, ORNAMENTAL, PLAIN,
CUT, ENGRAVED.

Erlaucht Graf Harrachsche vereinigte glassfabriken, Neuwelt, in Bohemia	gold
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SECOND ORDER OF MERIT.

POTTERY.

Haas und Czjzek, Schlaggenwald	certificate
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GLASSWARE, PLAIN, ENGRAVED, CUT,
ETCHED, AND ORNAMENTAL.

Mühlhaus, Julius, und Co., Haida	certificate
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ARTISTIC POTTERY.

Zasche, Josef, Vienna	certificate
Zsolnay, W., Fünfkirchen	certificate

Müller, Herman, Ulrichsthal- Meistersdorf, in Bohemia	certificate
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Reich, S., und Co., Haida	certificate
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Wagner, Franz, Meistersdorf, in Bohemia	certificate
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THIRD ORDER OF MERIT.

ARTISTIC POTTERY.

Falb, C., Haida	certificate
Rädler und Pilz, Haida	certificate

GLASSWARE, PLAIN, ENGRAVED, CUT,
ETCHED, AND ORNAMENTAL.

Drobnik, Carl, Haida, Bohemia	certificate
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Pallme, Franz, König und Co., in Steinschönau	certificate
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SPUN GLASS.

De Brunfaut, Amalia, Vienna	certificate
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GLASSWARE, PLAIN.

Hegenbarth's, August, Erben, Haida, in Bohemia	certificate
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FOURTH ORDER OF MERIT.

PORCELAIN AND EARTHENWARE.

Elbogener Porzellan und Kohlen-Industrie, Gesellschaft von Springer and Oppenheimer, Elbogen, Bohemia	certificate
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FIFTH ORDER OF MERIT.

GLASSWARE, PLAIN, ENGRAVED, CUT, ETCHED,
AND ORNAMENTAL.

Meltzer, C., und Co., Langenau, Bohemia	certificate
Ulrich, H., Vienna	certificate

Jury Section XI.—JEWELLERY AND SILVERSMITHS' WORK.

SECOND ORDER OF MERIT.

METAL BALL CHAINS.

Bolzani, Jean, Fils, Stein on Danube	certificate
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THIRD ORDER OF MERIT.

GOLDSMITHS' AND SILVERSMITHS' WORK.		IMITATION PRECIOUS STONES.	
Hermann, J. L., Vienna	certificate	Reif, Josef, Prague	certificate
MISCELLANEOUS JEWELLERY.		GARNET JEWELLERY.	
Samek Brüder, Vienna	certificate	Goldschmidt und Söhne, Prague	certificate
		Neustadt, M. H., Prague	certificate
		Podiebrad, H., Prague	certificate

FOURTH ORDER OF MERIT.

GOLDSMITHS' AND SILVERSMITHS' WORK.

Berndorfer Metallwarrenfabrik, Schoeller und Co., Vienna certificate

Jury Section XII.—CIVIL ENGINEERING, PUBLIC WORKS.

FIRST ORDER OF MERIT.

CRYSTAL CHANDELIERS AND LAMPS.		PARQUET FLOORING.	
Hosch, C., Haida, in Bohemia	gold	Leistler, C., und Sohn, Vienna	silver
TABLE LAMPS.			
Reich, S., und Co., Vienna	silver		

SECOND ORDER OF MERIT.

TABLE LAMPS.		MATCHES.	
Lazarus und Rosenfeld, Gablonz	certificate	Pojatzi, Fl., und Co., Deutsch Landsberg	certificate

Jury Section XIII. and XXII.—CHEMICAL AND PHARMACEUTICAL PRODUCTS.

FIRST ORDER OF MERIT.

MEDICINAL HERBS, & CHEMICAL & PHARMACEUTICAL PREPARATIONS.		TOILET SOAPS.	
Wilhelm, F., und Co., Vienna	gold	Taussig, Gottlieb, Vienna	silver
SOAP AND CANDLES.		WHITE LEAD.	
Erste oterr Seifensieder-Gewerks-Gesellschaft, Vienna	gold	Herbert, Franz Paul, Klagenfurt	silver
PERFUMES AND SOAPS.		WHITE ZINC.	
Calderara und Bankmann, Vienna	silver	Lindheim und Co., Vienna	silver
Treu Nuglisch und Co., Nachfolger, Carl Thies, Vienna	silver	MINERAL WAX (OZOCERITE) AND PREPARATIONS.	
		Wagenmann, G., Vienna	bronze
PERFUMES AND TOILET SOAPS.		MINERAL WAX GOODS.	
Diedecks, A. C., Sohn, Vienna	silver	Offenheim Ziffer und Co., Elbe-teinitz, Bohemia	bronze

SECOND ORDER OF MERIT.

PERFUMERY.		POTASH, RAW AND REFINED.	
Demarlini, J., Prague	certificate	Schlesinger, J., und Söhne, Trencsin, Hungary	certificate

CERESINE AND PARAFFIN.
Hochstetter und Co., Vienna certificate

TOILET PREPARATIONS.
Treu Nuglisch und Co., Nachfolger,
Carl Thies, Vienna certificate

THIRD ORDER OF MERIT.

TOILET SOAPS.

Rix, A., Vienna certificate

FOURTH ORDER OF MERIT.

FLAVOURING ESSENCES.

Pollack, Jacques, Vienna certificate

HONOURABLE MENTION.

PRUSSIAN POTASH.

Samuely, D., Brünn certificate

Jury Section XIV.—LEATHER WORK & FANCY ARTICLES.

FIRST ORDER OF MERIT.

FANCY ARTICLES IN PORCELAIN.
Wahliss, Ernst, Vienna silver

DRESSING CASES.
Klein, August, Vienna bronze

PIPES.
Hiess, Franz, und Söhne, Vienna bronze
Schönberger Gebrüder, Vienna bronze
Trebitsch, A., Vienna bronze

SECOND ORDER OF MERIT.

DRESSING CASES, WORK-BOXES.
Drächsler, C., Vienna certificate
Schönberger Gebrüder, Vienna certificate
Traub und Co., Vienna certificate

FANCY ARTICLES, CARVING.
Weiss, Martin, Vienna certificate

FANCY ARTICLES IN METALWARE.
Böhm, Anton, Vienna certificate

FRAMES.
Riby, C. A., Mariano certificate

PIPES.
Christ, F. A., Vienna certificate
Hrauda, M., Vienna certificate

THIRD ORDER OF MERIT.

FANCY ARTICLES IN METALWARE.
Krauliz, Michael, Vienna certificate

BRUSHWARE.
Schreiber, Armin, Vienna certificate

PORTMANTEAUS, TRUNKS.
Schittenhelm's, K., Sohn, Vienna certificate

FOURTH ORDER OF MERIT.

WOODEN BOXES.
Saxl, Moritz, Boskowitz certificate

Jury Section XV.—COTTON, FLAX, HEMP, CLOTHING, &c.

FIRST ORDER OF MERIT.

LINEN FABRICS.
Berger, E., Freudenthal silver
Klinger, H., Vienna silver
Siegl, Joh., und Co., in Moravian silver
Schönberg silver

GLOVES.
Dewidels, Simon, Prague silver
Hessl, A., Vienna silver
Kubik, J., Stuhlweissenburg silver
Stiasny, F. und M., Vienna silver
Weiss, Rudolf, Vienna silver

COTTON VELVETS.

Fröhlich's, G. A., Sohn, Vienna silver

BUTTONS.

Krehan, I., Vienna bronze

Mayer, A., und Co., Vienna bronze

Salcher, M., und Söhne, Vienna bronze

EMBROIDERIES AND FANCY WORK.

Meinl's, Erben, Vienna bronze

MEN'S MADE-UP CLOTHING.

Mandl, M. und J., Prossnitz bronze

Schwarzmann, D., und Co., Vienna bronze

SECOND ORDER OF MERIT.

COTTON VELVETS.

Richter, J., und Söhne, Niedergrund certificate

SLOP CLOTHING.

Tedesko, L., und Co., Vienna certificate

PIQUE GOODS.

Parma, J., Frankstadt certificate

THIRD ORDER OF MERIT.

WALKING STICKS.

Günzl, L., Vienna certificate

Ludwig, A., Vienna certificate

SHIRTS, COLLARS.

Dannhauser Brüder, Vienna certificate

UNBLEACHED CALICO.

Abeles, Leopold, Vienna certificate

Steinbrecher, Anton, und Fritz, Moravian Trübau certificate

COTTON DRESS GOODS.

Goldberger, S. F., und Söhne, Altofen certificate

Riess, A., Vienna certificate

COTTON QUILTS.

Krenek, Frantisek, und Söhne, Frankstadt certificate

FOURTH ORDER OF MERIT.

UNDERCLOTHING.

Joachim und Ehrlich, Vienna certificate

WALKING STICKS.

Nagl, J., und Mattich, Vienna certificate

PAPER PATTERNS FOR DRESSMAKING.

Schack, Adolf. Wm., Vienna certificate

Sub-Jury.—BOOTS.

FIRST ORDER OF MERIT.

FACTORY BOOTS.

Falk, A., und Co., Vienna silver

Löwenstein, Adol. R., Vienna silver

Wiener Schuhwaarenfabriks-Actiengesellschaft, Vienna silver

SECOND ORDER OF MERIT.

FACTORY BOOTS.

Beer, S. Vienna certificate

Floh, F., Vienna certificate

Krausz und Lackenbacher, Vienna certificate

BOOT UPPERS.

Görich, H., Vienna certificate

THIRD ORDER OF MERIT.

FACTORY BOOTS.

Opletal, J., Vienna certificate

Strakosch, B., Vienna certificate

FOURTH ORDER OF MERIT.

FACTORY BOOTS.

Budischowsky und Co., Prossnitz certificate

Jury Section XVI.—WORSTED AND WOOLLEN GOODS.

FIRST ORDER OF MERIT.

WORSTED AND WOOLLEN FABRICS.			SHAWLS.	
Handels und-Gewerbekammer, Brünn	(1)			
Liebig, Franz, Reichenberg	gold		Daubek's Sohn, Vienna	silver
Leopold, Popper und Co., Brünn	gold		Liebig, F., Reichenberg	silver
Samek Brüder, Brünn	gold			

THIRD ORDER OF MERIT.

WORSTED AND WOOLLEN FABRICS.	
Förster, Carl T., und Söhne, Bielitz	certificate

Jury Section XVII.—SILK AND LACE.

FIRST ORDER OF MERIT.

LACE.		EMBROIDERY.	
Bollarth, Franz, Vienna	bronze	Dalhof, Therese und Fanny, Vienna	bronze
Fritsch, Josef, Gossengrün, Bohemia	bronze	Meinl's A. Erben, Bärzingen, Bohemia	bronze
Radlinger, L., Vienna	bronze	Richter, Eduard A., Vienna	bronze
Stramitzer, Josef, Vienna	bronze		

SECOND ORDER OF MERIT.

LACE AND NET.		EMBROIDERY.	
Anderl, Johann, Vienna	certificate		
CROCHET GOODS.		de Brunfaut, Amalia, Vienna	certificate
Hänsler, L., Vienna	certificate	Giani, Carl, Vienna	certificate

FOURTH ORDER OF MERIT.

YARNS OF SILK WASTES.	
Actien-Gesellschaft der Floret-Seidenspinneri, "Sagrado," Sagrado	certificate

Jury Section XIX.—PRODUCTS OF FORESTS.

SECOND ORDER OF MERIT.

KING ASH PLANKS.		FLOOR PANELS OF AUSTRIAN WOOD.	
Grossmann, M., und Co., Vienna	certificate	Leistler, C., Vienna	certificate

Jury Section XX.—AGRICULTURAL PRODUCTS, NOT USED FOR FOOD.

FIRST ORDER OF MERIT.

CIGARETTE PAPER.	
Rüger, B., Wm. Knepper's nachfolger, Vienna	bronze

Jury Section XXIII.—LEATHER AND SKINS.

FIRST ORDER OF MERIT.

WAXED AND RUSSET CALF.	
Foges, J., Vienna	silver
Welponer, Alois, Vienna	silver

THIRD ORDER OF MERIT.

WAXED CALF.

Weiss, B., und Sohn, Vienna

certificate

Jury Section XXIV. & XXV.—AGRICULTURAL IMPLEMENTS.

FIRST ORDER OF MERIT.

ICE MACHINE AND CHESTS.

Bollinger, F., Vienna

silver

THIRD ORDER OF MERIT.

COFFEE AND TEA MACHINES.

Puntschert, J., und Sohn

certificate

SODA WATER MACHINES.

Pochtler, C., Vienna

certificate

Jury Section XXVI.—MACHINES, MACHINE TOOLS.

THIRD ORDER OF MERIT.

PUMPS AND TAPS.

Archleb, J., Dobruska, Bohemia

certificate

Jury Section XXVII.—CARRIAGES.

SECOND ORDER OF MERIT.

LANDAU C, AND ELLIPTIC S, 5-LIGHT.

Armbruster, S., Vienna

certificate

Lohner, Jacob und Co., Vienna

certificate

VICTORIA PHAETON.

Armbruster, S., Vienna

certificate

Lohner, J., und Co., Vienna

certificate

Weitzer, J., Graz

certificate

BROUGHAMS, SINGLE-SEATED.

Schustala und Co., Nesselndorf

certificate

THIRD ORDER OF MERIT.

LANDAU, ELLIPTIC, 5-LIGHT.

Schustala und Co., Nesselndorf

certificate

Jury Section XXVIII.—RAILWAYS, MINING, AND METALLURGY.

FIRST ORDER OF MERIT.

STAMPED AND ENAMELLED WARE.

Bartelmus, Aug. und Witte, Brünn

silver

Haardt und Co., Vienna

silver

CARPENTERS', COOPERS', JOINERS', & CABINETMAKERS' TOOLS & SCREWS.

Weiss, J., und Sohn, Vienna

silver

SECOND ORDER OF MERIT.

STAMPED WARE.

Quereser, F., Linz, Danube

certificate

THIRD ORDER OF MERIT.

TACKS AND CLINCHES.

Loysch, Albert, Pielach

certificate

TACKS AND NAILS.

Machanek, J. C., und Co., Olmütz

certificate

FIRE AND BURGLAR PROOF SAFES.

Wertheim, F., und Co., Vienna

certificate

Jury Section XXXI. and XXXII.—CEREALS, CONDIMENTS, AND STIMULANTS.

FIRST ORDER OF MERIT.

REFINED SUGAR.		MALT.	
Ripka, Max J., und Co., Brünn	silver	Noziczka und Umgelter, Brünn	silver
BISCUITS.		EGG-YOLK POWDER.	
Schreiber, Gottfried, Graz	silver	Berg, S., Krakau	bronze
FRENCH CHOCOLATE.		MINERAL WATERS.	
Tschinkel, Aug., Söhne, Schönfeld	silver	Mattoni, H., Vienna	bronze
Valerio, Angelo, Trieste	silver		
CHOCOLATE CONFECTIONERY.		BITTER WATER.	
Tschinkel, Aug., Söhne, Schönfeld	silver	Ulbrich, Ant., Püllna	bronze
Valerio, Angelo, Trieste	silver		

SECOND ORDER OF MERIT.

CRYSTALLISED FRUITS.		LIQUORICE.	
Tschinkel, A., Söhne, Schönfeld	certificate	Haball, J., Vienna	certificate

Jury Section XXXIII.—MEAT AND FISH.

THIRD ORDER OF MERIT.

SARDINES.	
Topich, A., Lissa	certificate

Jury Section XXXIV.—WINES.

SECOND ORDER OF MERIT—CERTIFICATE.

Kleinoscheg, Brüder	..	Graz	..	Champagne	Vintage not given
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THIRD ORDER OF MERIT—CERTIFICATE.

Heller, M.	..	Vienna	..	Tokay	Vintage not given
Kleinoscheg, Brüder	..	Graz	..	Champagne	" "
Kleinoscheg, Brüder	..	"	..	Sparkling muscat	" "
Palugyay, J., und Söhne..	..	Pressburg	..	Syomodoner	" "
Palugyay, J., und Söhne..	..	"	..	Château Palugyay	" "
Palugyay, J., und Söhne..	..	"	..	Vin sec de tokay	" 1834
Schadn, J.	..	Vienna	..	Gumpoldskirchen auslese	" 1868
Sommadosi, G.	..	"	..	Vino santo puro	" 1825
Spitzer, F., und Söhne	..	"	..	Vilanyer	" 1872
Wieninger's, J. G., "Wein- gut Johannesstein"	..	Gumpoldskirchen	..	Strohwein	" not given
Wieninger's, J. G., "Wein- gut Johannesstein"	..	"	..	Gumpoldskirchen	" 1875
Wieninger's, J. G., "Wein- gut Johannesstein"	..	"	..	portugieser	" 1873

FOURTH ORDER OF MERIT—CERTIFICATE.

Heller, M.	..	Vienna	..	Gumpoldskirchner riesling	Vintage not given
Heller, M.	..	"	..	Menescher	" "
Heller, M.	..	"	..	Vöslauer anstich	" "
Heller, M.	..	"	..	Vöslauer	" "

Heller, M.	..	..	Vienna	..	Vöslauer	Vintage not given
Heller, M.	..	..	"	..	Tokayer	" "
Heller, M.	..	..	"	..	" (very sweet)	" "
Kleinoscheg, Brüder	..	..	Graz	..	Champagne	" "
Kleinoscheg, Brüder	..	..	"	..	Styrian hock	" "
Palugyay, J., und Söhne..	..	..	Pressburg	..	Nesymelyer	" "
Palugyay, J., und Söhne..	..	..	"	..	Somlauer cabinet wein	" "
Palugyay, J., und Söhne..	..	..	"	..	Château Palugyay	" "
Palugyay, J., und Söhne..	..	..	"	..	Allerfeinster tokayer	" "
Reisinger, C., und Sohn..	..	..	Vienna	..	Reislinger	" 1872
Reisinger, C., und Sohn..	..	..	"	..	Kaidarka	" 1876
Schadn, J.	..	..	"	..	Schobesberger	" 1868
Schadn, J.	..	..	"	..	Pfaffstättner	" 1868
Schadn, J.	..	..	"	..	Gumpoldskirchner anstich	" 1872
Schadn, J.	..	..	"	..	Vöslauer auslese	" 1874
Schadn, J.	..	..	"	..	Klosterneuburger auslese	" 1868
Schwartzter's, A., nachfolger	..	..	"	..	Grinzinger	" not given
Schwartzter's, A., nachfolger	..	..	"	..	Weidlinger	" "
Schwartzter's, A., nachfolger	..	..	"	..	Ofner	" "
Sommadossi, G.	..	..	"	..	Vino santo puro	" 1840
Sommadossi, G.	..	..	"	..	" "	" 1849
Spitzer, F., und Söhne	..	..	"	..	Ruster wine	" not given
Spitzer, F., und Söhne	..	..	"	..	Bakator	" 1859
Szarvasy, F.	..	..	"	..	Carlowitzer	" not given
Szarvasy, F.	..	..	"	..	Ofner	" "
Szarvasy, F.	..	..	"	..	Villanyer	" "
Wieninger's, J. G., "Wein- gut, Johannesstein"	..	..	Gumpoldskirchen	..	Gumpoldskirchner anstich	" "

FIFTH ORDER OF MERIT—CERTIFICATE.

Heller, M.	..	..	Vienna	..	Menescher	Vintage not given
Heller, M.	..	..	"	..	Menescher asbruch	" "
Heller, M.	..	..	"	..	Maiberger	" "
Heller, M.	..	..	"	..	Markersdorfer	" "
Heller, M.	..	..	"	..	Grinzinger	" "
Kleinoscheg, Brüder	..	..	Graz	..	Ofner	" "
Kleinoscheg, Brüder	..	..	"	..	Sparkling Burgundy	" "
Lenard und Laban	..	..	Pressburg	..	Dry rose champagne	" "
Palugyay, J., und Söhne..	..	..	"	..	Villanyer cabinet	" "
Palugyay, J., und Söhne..	..	..	"	..	Menescher	" 1834
Palugyay, J., und Söhne..	..	..	"	..	Ruster wine	" not given
Palugyay, J., und Söhne..	..	..	"	..	Tokay	" "
Reisinger, C., und Sohn ..	..	..	Vienna	..	Ofner	" 1874
Reisinger, C., und Sohn ..	..	..	"	..	Ofner	" 1875
Reisinger, C., und Sohn ..	..	..	"	..	Ruster ausbruch	" 1875
Szarvasy, F.	..	..	"	..	Erlauer	" not given
Schwartzter's, A., nachfolger	..	..	"	..	Erlauer	" "
Schlumberger, R.	..	..	Pressburg	..	Moussirender vöslauer	" "

Jury Section XXXIVc.—CORDIALS, LIQUEURS, BITTERS,
MINERAL WATERS.

FIRST ORDER OF MERIT.

CURACOA.		KUMMEL.	
Fränkl, A., und Söhne, Biala	silver	Fränkl, A., und Söhne, Biala	bronze
		"La Ferme" (Archleb, J.), Dobruska	bronze
MARASCHINO.			
Fränkl, A., und Söhne, Biala	silver		
Lichtwitz und Co., Troppau	silver		
Millicich, L., Zara	silver		
Millicich, L., Zara	silver		
Millicich, L., Zara	silver		
Stampalia, T., Zara	silver	BENEDICTINE.	
		Fränkl, A., und Söhne, Biala	bronze

GINGERETTE.

Fränkl, A., und Söhne, Biala	bronze
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MISCELLANEOUS LIQUEURS.

Fränkl, A., und Söhne, Biala	bronze
Luxardo, G., Zara	bronze

BITTERS.

Bauer, L. W., und Sohn, Vienna	bronze
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MINERAL WATERS.

Geimeinde Bitterwasser Direction, Püllna	bronze
Mattoni und Wille, Vienna	bronze

SECOND ORDER OF MERIT.

CURACOA.

Lichtwitz, E., und Co., Troppau	certificate
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MARASCHINO.

Comer, Francesco, Trieste	certificate
Luxardo, G., Zara	certificate
Magazzin, Matteo, Zara	certificate

ANISETTE.

Lichtwitz, E., und Co., Troppau	certificate
"La Ferme" (Archleb, J.), Dobruska	certificate

KUMMEL.

Fränkl, A., und Söhne, Biala	certificate
Luxardo, G., Zara	certificate
Schenkirkzik, Vienna	certificate

VANILLE.

Lichtwitz, E., und Co., Troppau	certificate
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CACAO.

Fränkl, A., und Söhne, Biala	certificate
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ELIXIRS.

Comer, Francesco, Trieste	certificate
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CHARTREUSE.

Bauer, L. W., und Sohn, Vienna	certificate
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ROSE LIQUEUR.

Fränkl, A., und Söhne, Biala	certificate
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FRAMBOISE.

"La Ferme" (Archleb, J.), Dobruska	certificate
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BITTERS.

Fränkl, A., und Söhne, Biala	certificate
Kosters, J. Alex. Roretz, Vienna	certificate
Lichtwitz, E., und Co., Vienna	certificate

MISCELLANEOUS LIQUEURS.

Lichtwitz, E., und Co., Vienna	certificate
Lichtwitz, E., und Co., Vienna	certificate

CREME DE MOCHA.

Bauer, L. W., und Sohn, Vienna	certificate
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HONOURABLE MENTION.

MINERAL WATERS.

Hirschler, M., Budapest	certificate
Schottländer, L., Carlsbad, Böhmen	certificate
Schottländer, L., Carlsbad, Böhmen	certificate
Loser Gebrüder, Pest	certificate

Jury Section XXXV.—BEERS.

FIRST ORDER OF MERIT.

LAGER BEER, QUARTS.

Dreher, A., Klein-Schwechat	bronze
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BELGIUM.

Jury Section I.—FINE ARTS.

FIRST ORDER OF MERIT.

OIL PAINTINGS.		MANUSCRIPT MAP, PEN & INK DRAWING.	
De Pratere, E., Brussels	gold	His Majesty Leopold II., King of	
Mellery, X., Brussels	gold	Belgium, Brussels	bronze
Seeldrayers, E., Brussels	gold		
STEEL ENGRAVINGS AND ETCHINGS.		DECORATIVE PAINTINGS, IMITATION OF TAPESTRY.	
Danse, A., Mons	silver	Tasson, J., et Fils, Brussels	bronze
ENGRAVED & LITHOGRAPHED MAPS.		ARCHITECTURAL DRAWINGS.	
Chartographic and Military Institute, Brussels	(3)	Tasson, J., et Fils, Brussels	bronze

SECOND ORDER OF MERIT.

STEEL ENGRAVINGS AND ETCHINGS.		OIL PAINTINGS.	
De Biseau, A., Brussels	certificate	Bellis, H., Brussels	certificate
		Cogen, Félix, Brussels	certificate
		Portaels, T., Brussels	certificate
		Robbe, L., Brussels	certificate
		Stevens, A., Brussels	certificate
Demunter, P., Brussels	certificate	Tschaggeny, Charles, Brussels	certificate

THIRD ORDER OF MERIT.

PHOTO-ENGRAVING ON GLASS.			
Baudoux, L., et Cie., Charleroi	certificate	Carabain, T., Brussels	certificate
Société Anonyme des Verreries de Charleroi, Lodelinsart	certificate	De Block, Eug., Brussels	certificate
		De Schampheleer, Ed., Brussels	certificate
		Gerard, T., Brussels	certificate
		Heyermans, T., Antwerp	certificate
		Soubre, C., Liège	certificate
		Van Seben, Brussels	certificate
OIL PAINTINGS.			
Bossuet, F., Brussels	certificate		

FIFTH ORDER OF MERIT.

OIL PAINTINGS.			
Beernaert, Mdle. E., Brussels	certificate	Farasyn, E., Antwerp	certificate
Ceriez, Th., Ypres	certificate	Keelhoff, F., Brussels	certificate
		Van Leemputten, F., Brussels	certificate

Jury Section II.—SCULPTURE.

SECOND ORDER OF MERIT.

BRONZES.

Laumans, J., Laeken, near Brussels	certificate
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(3) Certificate equal to bronze.

THIRD ORDER OF MERIT.

TERRA COTTA.		BRONZES.	
Comein, P., Brussels	certificate	Cattier, Armand, Brussels	certificate
STAMPED COPPER-PLATES.			
Arens, A., Antwerp	certificate	TERRA COTTA.	
SCULPTURE, MARBLE.		Ludwig, Louis, Brussels	certificate
Brunin, C., Mons	certificate	Wiener, C., Brussels	certificate

Jury Section III.—EDUCATION.

FIRST ORDER OF MERIT.

EDUCATIONAL EXHIBITS.		MAPS.	
Ministère de L'Instruction Publique et des Beaux Arts, Brussels	(1)	Chartographic and Military Institute of Belgium, Brussels	(1)
MAP OF AFRICA.		SCHOOL BOOKS.	
His Majesty Leopold II., King of Belgium, Brussels	gold	Lebon, Léon, Brussels	gold

SECOND ORDER OF MERIT.

TECHNICAL PLANS OF SCHOOLS.		SCHOOL APPLIANCES.	
The Cockerill Co., Seraing	certificate	Belot, L. E., Brussels	certificate

THIRD ORDER OF MERIT.

CLASSICAL COURSE IN ARCHITECTURE.		BOOKS OF EDUCATION.	
Serrure, E., St. Nicholas, Waes	certificate	Verstraete, C., Ghent	certificate

Jury Section IV.—PRINTING, BOOKS, STATIONERY.

FIRST ORDER OF MERIT.

PRINTING PAPER.		TYPE.	
Pfeffer, J., et Cie., Ghent	silver	Vanderborght, A. et F., Brussels	silver
RAGS FOR PAPER MAKING, SORTED.			
Pfeffer, J., et Cie., Ghent	silver		

SECOND ORDER OF MERIT.

TELEGRAPH PAPER TAPES.	
Pfeffer, J., et Cie., Ghent	certificate

THIRD ORDER OF MERIT.

PRINTING PAPER.		BLOTTING AND HAT PAPER.	
De Tournay-Catala, Brussels	certificate	Pfeffer, J., et Cie., Ghent	certificate
BOARDS.			
De Tournay-Catala, Brussels	certificate	STRAW PAPER.	
WRITING PAPER.		Van Renynghe et Cie., Poperinghe	certificate
Pfeffer, J., et Cie., Ghent	certificate		

(1) Certificate equal to gold.

FOURTH ORDER OF MERIT.

PLAYING CARDS.		WRAPPING PAPER.	
Biermans, L., Turnhout	certificate	Pfeffer, J., et Cie., Ghent	certificate
BLOTTING PAPER.		HAND-MADE PAPER.	
De Broux et Cie., Court St. Etienne	certificate	Pfeffer, J., et Cie., Ghent	certificate

FIFTH ORDER OF MERIT.

PRINTING PAPER.		RUBBER STAMP.	
De Broux et Cie., Court St. Etienne	certificate	Turner, R. B., Brussels	certificate

Jury Section V.—PHOTOGRAPHIC PROOFS AND APPARATUS.

FIRST ORDER OF MERIT.

LANDSCAPE AND BUILDING PHOTOS.

Hallez, J., Dinant	bronze	Stilmant, L. J., Pepinster	bronze
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SECOND ORDER OF MERIT.

LANDSCAPE AND BUILDING PHOTOS.

Daveluy, V., Bruges	bronze
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Jury Section VI.—MUSICAL INSTRUMENTS.

FIRST ORDER OF MERIT.

SHORT GRAND PIANOS.

Campo Frères, Brussels	gold
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SECOND ORDER OF MERIT.

COTTAGE PIANOS.

Campo Frères, Brussels	certificate
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FOURTH ORDER OF MERIT.

COTTAGE PIANOS.

Berrens, G. A., Antwerp	certificate	Van Hyfte, B., Ghent	certificate
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Sub-Jury.—PRINTED MUSIC.

FIRST ORDER OF MERIT.

METHOD FOR PIANO-PLAYING.

PRINTED MUSIC.

De Wulf, Charles, Brussels	silver	Katto, J. B., Brussels	bronze
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SECOND ORDER OF MERIT.

PRINTED MUSIC.

PROCESS OF ENGRAVING MUSIC ON
ZINC PLATES.

Henderickx, F., Mons.	certificate	Katto, J. B., Brussels	certificate
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Jury Section VII.—MEDICINE, HYGIENE, AND PUBLIC RELIEF.

FIRST ORDER OF MERIT.

SURGICAL BANDAGES (ORTHOPEDIC APPARATUS).

Waersegers, J., Antwerp silver

Jury Section IX.—FURNITURE AND ACCESSORIES.

FIRST ORDER OF MERIT.

FURNITURE.

De Meuter, L., Brussels silver

MARBLE TIMEPIECES, AS FURNITURE.

Omnozez, F., Brussels silver

PAINTINGS AND DECORATIONS FOR INTERIOR OF HOUSES.

Tasson, J., et Fils, Brussels silver

INLAID FLOORINGS.

Tasson et Washer, Brussels silver

SECOND ORDER OF MERIT.

MARBLE CLOCKS, AS FURNITURE.

Brauburger, J., Brussels certificate

THIRD ORDER OF MERIT.

IMITATION ANCIENT TAPESTRY.

Demunter, P., Brussels certificate

PARCHMENT PAPER, VARNISHED PAPER, AND IMITATION OF LEATHER FOR BOOKBINDING.

Pfeffer, J., et Cie., Ghent certificate

FOURTH ORDER OF MERIT.

MOULDINGS.

Belot, L. E., Brussels certificate
Braun, jun., Ghent certificate

CHAIRS AND STOOL SEATS.

Cambier Frères, C. et H., Ath certificate

FIFTH ORDER OF MERIT.

FURNITURE.

Arens, A., Antwerp certificate

Jury Section X.—GLASS AND POTTERY.

FIRST ORDER OF MERIT.

STAINED AND ENGRAVED GLASS.

Baudoux, L., et Cie., Charleroi gold

WINDOW GLASS.

Bivort, H. J., Jumet silver
Mondron, L., Lodelinsart silver

SECOND ORDER OF MERIT.

POTTERY.

Boch Frères, La Louviere certificate

WINDOW GLASS.

Fourcault, Frison et Cie., Dampremy certificate
Société Anonyme des Verreries Nationales de Jumet, Jumet certificate

THIRD ORDER OF MERIT.

MIRROR.	ARTISTIC PAINTING ON POTTERY.
Agence Générale de Vente des Glaceries, Belges, Brussels certificate	Robinson, J., Brussels certificate
GLASSWARE, PLAIN, ENGRAVED, CUT, ETCHED, AND ORNAMENTAL.	WINDOW GLASS.
Cristalleries du Val, St. Lambert certificate	Société Anonyme des Verreries de Charleroi, Lodelinsart certificate

FOURTH ORDER OF MERIT.

WINDOW GLASS.	
Schmidt, Devillez et Cie., Dam- premy certificate	Verreries de Mariemont, Marie- mont certificate
Verreries des Hamendes, Jumet certificate	

FIFTH ORDER OF MERIT.

WINDOW GLASS.	
Morel, A., Lodelinsart	certificate

Jury Section XII.—CIVIL ENGINEERING, PUBLIC WORKS.

FIRST ORDER OF MERIT.

SAFETY MATCHES.	MARBLES.
Byl, Fils et Cie., Grammont silver	Lefevre, G., Yvoir, near Dinant silver
MARBLE MANTELPIECES.	Maudoux, A., Walcourt silver
Société Anonyme de Merbes Le Château, Le Château silver	Société Anonyme des Marbres, Brussels silver
Verbist-Lamal, Brussels silver	
PARQUET FLOORING.	GRINDSTONES.
Tasson et Washer, Brussels silver	Société Industrielle de Luxem- bourg, Brussels bronze

SECOND ORDER OF MERIT.

MARBLE TILES.	PATENT VENTILATORS.
De Jaiffe Devroye, Mazy certificate	Mouly, F. V., Brussels certificate
FANCY STOVES AND GRATES.	GRINDSTONES.
De Lairesse, C., Liège certificate	Société des Carrières de Luxem- bourg et de Lorraine, Brussels certificate
Mouly, F. V., Brussels certificate	
ROOFING TILES.	MARBLE MANTELPIECES.
Lallemand, —, Andenne certificate	Société Anonyme des Marbres, Brussels certificate
	Tainsy, F., Brussels certificate

THIRD ORDER OF MERIT.

MARBLE MANTELPIECES.	SAFETY MINING LAMP.
Boucneau, L., Brussels certificate	Jaspert, J. certificate

FOURTH ORDER OF MERIT.

FLOORING TILES.	CEMENT.
Gils-Delvinge, Liège certificate	Josson et Delangle, Antwerp certificate
Lupant-Carlier et Cie., Sirault certificate	

HONOURABLE MENTION.

PLANS OF WORKMEN'S COTTAGES.	
The Cockerill Co., Seraing	certificate

Jury Section XIII. and XXII.—CHEMICAL AND PHARMACEUTICAL PRODUCTS.

FIRST ORDER OF MERIT.

CARBONATE OF SODA.		TOILET SOAPS.	
Solvay et Cie., Couillet	gold	Maubert Soap Co., Brussels	silver
BLEACHED THREAD.		CHEMICAL PRODUCTS.	
Van de Wynckele, Ghent	silver	Verzyl, G. G., et Cie., Louvain	silver
ZINC WHITE.		ULTRAMARINES & LAUNDRY BLUES.	
Æschger, Mesdach et Cie., Liège	silver	Botelberge, G., et Cie., Melle-lez-Gand	bronze
CANDLES.		DYERS' TEST BOOKS.	
Manufacture Royale de Bougies D'Anvers (De Roubaix, Edenkoven et Cie.), Antwerp	silver	Van Laer, Brussels	bronze
Manufacture Royale des Bougies de La Cour (De Roubaix, Jenar et Cie.), Brussels		ANTI-FOULING COMPOSITION.	
		Van Speybrouck, E., Bruges	bronze
		SULPHUR.	
		Koch et Reis, Antwerp	bronze

Jury Section XIV.—LEATHER WORK, AND FANCY ARTICLES.

SECOND ORDER OF MERIT.

CHAIRS AND STOOL MATS.		DRESSING-CASES AND WORKBOXES.	
Cambier Frères, C. et H., Ath	certificate	Henrard-Cajot, Spa	certificate

THIRD ORDER OF MERIT.

PIPES.	
Barth, D., Andenne	certificate

Jury Section XV.—COTTON, FLAX, HEMP, CLOTHING, &c.

FIRST ORDER OF MERIT.

GLOVES.		LINEN THREADS.	
Colin, E. P.	silver	Druwe et Henderickx, Alost	silver
		Eliaert-Cools, Alost	silver

SECOND ORDER OF MERIT.

COTTON BLANKETS.	
Geerinckx, Clement et Cie., "La Dendre Cie.," Termonde	certificate

FIFTH ORDER OF MERIT.

FANCY WOOLLEN MATERIALS.	
Goossens-Neerman, H., Ghent	certificate

Sub-Jury.—BOOTS.

FOURTH ORDER OF MERIT.

BOOTS.	
Sironval-Paris, Verviers	certificate

Jury Section XVI.—WORSTED AND WOOLLEN GOODS.**FIRST ORDER OF MERIT.****WORSTED AND WOOLLEN FABRICS.**

Biolley Frères, Verviers	gold	Peltzer et Fils, Verviers	gold
Chambre de Commerce, Verviers	(1)	Sauvage, A. J., Francmont	gold
Dresse, Piron et Cie., Ensival	gold	Simonis, I., Verviers	gold
Garot, L. et J., Verviers	gold		

SECOND ORDER OF MERIT.**WORSTED AND WOOLLEN FABRICS.**

Baerwinckel et Rosenberg, Verviers	certificate	Taste, J., Verviers	certificate
Lejeune-Vincent, Dison	certificate	Vreede, L. et H., Verviers	certificate

THIRD ORDER OF MERIT.**WORSTED AND WOOLLEN FABRICS.**

Rolin, H., Fils et Cie., St. Nicholas, Waes	certificate
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Jury Section XVII.—SILK AND LACE.**FIRST ORDER OF MERIT.****LACE.**

De Vergnies, D., et Soeurs, Brussels	bronze
Druwe et Henderickx, Alost	bronze

Jury Section XVIII.—WEAPONS, &c.**FIRST ORDER OF MERIT.****GUNS.**

Ancion, J., et Cie., Liège	gold
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SHOT GUNS.

Pirlot et Fresart, Liège	gold
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CARTRIDGES AND PERCUSSION CAPS.

Bachmann, L., Brussels	silver
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Jury Section XX.—AGRICULTURAL PRODUCTS, NOT USED FOR FOOD.**FIRST ORDER OF MERIT.****FLAX, HEMP, FIBRES.**

Taulez-Bottelier, Bruges	silver
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FOURTH ORDER OF MERIT.**OIL.**

Staes-Sproelants, Termonde	certificate
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Jury Section XXIII.—LEATHER AND SKINS.**FIRST ORDER OF MERIT.****CUT LEATHERS FOR HATS.**

Société Anonyme Tannerie et Maroquinerie Belges, Saventhem	bronze
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(1) Certificate equal to gold.

FOURTH ORDER OF MERIT.

BELTING.

Verse-Spelmans, A., Brichot et Cie., Brussels certificate

Sub-Jury.—FURS.

FIRST ORDER OF MERIT.

RABBIT AND OTHER FURS.

Zuree et Cie., Ghent silver

Jury Section XXIV. & XXV.—AGRICULTURAL IMPLEMENTS.

FIRST ORDER OF MERIT.

MILLSTONES.

Dassonville de St. Hubert, Namur bronze

FIFTH ORDER OF MERIT.

MODEL OF WOOL PRESS.

Snoeck, Mdme., Ensival

certificate

HORSE CLIPPERS.

Turner, R. B. et Cie., Brussels

certificate

Jury Section XXVI.—MACHINES, MACHINE TOOLS.

FIRST ORDER OF MERIT.

CENTRIFUGAL AND ROTARY PUMPS.

Van Goethem, Reallier et Cie., Brussels gold

COMPOSITION BELTING.

Verse-Spelmans, A., Brichot et Cie.,
Brussels

silver

HAND FIRE PUMPS.

Beduwe, J., Liège

silver

SECOND ORDER OF MERIT.

STEEL LIFTING ROCK JACKS.

Mouton, A., Liège

certificate

THIRD ORDER OF MERIT.

MODEL OF BOILER.

Petry, Chaudoir, Liège

certificate

PORTABLE FORGES.

Hamal-Mouton, Liège

certificate

PLATFORM MACHINES.

Scheeren, Octave F., Liège

certificate

FOURTH ORDER OF MERIT.

WIND AND WATER GAUGE.

Mouly, F. V., Brussels

certificate

HAND FIRE PUMPS.

Thiriart, C., et Cie., Liège

certificate

LEATHER BELTING.

Rasquin, I., Liège

certificate

Jury Section XXVIII.—RAILWAYS, MINING, AND METALLURGY.

FIRST ORDER OF MERIT.

IRON CASTINGS AND STEEL.

The Cockerill Co., Seraing

gold

IRON & STEEL SPRING COPPD. WIRE.

Del Marmol de Montpellier, Otri,
near Namur

silver

Francotte, Pirlot et Cie., Liège

silver

SCREWS, BOLTS, AND NAILS.
Fix, A., Molenbeek, St. Jean silver

PHOSPHOR BRONZE.
Montefiore-Levi, Chaussée de Mons silver

SMELTING AND ASSAYING APPARATUS.
Puissant, H., Court St. Etienne silver

HOLLOWARE AND STAMPED GOODS.
Tremouroux Frères, Brussels silver

SECOND ORDER OF MERIT.

AXLE BOXES.
Henricot, E., Court St. Etienne certificate

SCREWS, BOLTS, AND NAILS.
Ancion, J., et Cie., Liège certificate
Nicaise, P. et N., Marcinelle certificate
Société Anonyme des Usines Boulonneries et Fonderies de la Louviere, La Louviere certificate

STEEL.
Société Anonyme des Acieries d'Angleur, Ougrée certificate

HOLLOWARE AND STAMPED GOODS.
Henricot, E., Court St. Etienne certificate
Société Anonyme des Fonderies d'Andenne, Andenne certificate

HORSE SHOES, MACHINE MADE.
Ortmans et Fils, Verviers certificate

MANUFACTURED IRON AND STEEL.
Riche et Cie., Marchienne au Pont certificate
Société Anonyme de Marcinelle et Couillet, Couillet certificate
Société Anonyme de la Fabrique de Fer d'Ougrée certificate
Société Anonyme des Hauts Fourneaux, Monceau-sur-Sambre certificate

SHEET IRON.
Société Anonyme Metallurgique d'Espérance, Longdoz, Liège certificate

FIRE AND BURGLAR PROOF SAFES.
Allebos, A., Brussels certificate

GALVANIZED IRON.
Jowa, G. T., Liège certificate

VENTILATORS FOR MINES.
Henroz, E., Floreffe certificate

THIRD ORDER OF MERIT.

SCREWS, BOLTS, AND NAILS.
Nyst, J., Liège certificate

FOURTH ORDER OF MERIT.

SCREWS, BOLTS, AND NAILS.
Société Anonyme des Clouteries Mécaniques de Fontaine, l'Eveque, Fontaine l'Eveque certificate
Société Anonyme des Clouteries de Châtelet, Châtelet certificate

Sub-Jury.—RAILWAY APPLIANCES.

FIRST ORDER OF MERIT.

PARTS OF LOCO. MACHINERY.
The Cockerill Co., Seraing gold

SECOND ORDER OF MERIT.

STEEL RAILS.
Société Anonyme des Acieries d'Angleur, Ougrée certificate

LOCOMOTIVE FOR A NARROW-GAUGE LIGHT RAILWAY.
Société Anonyme de Marcinelle et Couillet, Couillet certificate

RAILWAY PLANT.
Mabille, Valere, Brussels certificate

THIRD ORDER OF MERIT.

PERMANENT RAILWAY PLANT.
Rolin, E., Liège certificate

IRON AND STEEL RAILS.
Blondiaux et Cie., Thy le Château certificate

Société Anonyme des Forges Laminoirs et Fonderies de Jemappes, Morceau sur Sambre certificate

HONOURABLE MENTION.

SAMPLE OF PERMANENT WAY FOR TRAMWAYS.
Finet, L., Brussels certificate

Jury Section XXXI. and XXXII.—CEREALS, CONDIMENTS, AND STIMULANTS.

FIRST ORDER OF MERIT.

CHICORY.		RICE STARCH.	
Cassiers, M. J., Antwerp	silver	Remy, E., et Cie., Louvain	bronze
Vandendaele-Rigot, Quievrain	silver	Remy, E., et Cie., Louvain	bronze
CHOCOLATE.		SPICED VINEGAR.	
Delacre, C., Brussels	silver	Vandendaele-Rigot, Quievrain	bronze
CHOCOLATE POWDER.		ESSENCE OF COFFEE.	
Joveneau, A., Tournai	silver	Delacre, C., Brussels	bronze
COCOA.		VINEGAR.	
Delacre, C., Brussels	silver	Vanderschrick Frères, Brussels	bronze
FRUITS PRESERVED IN SYRUPS.			
Vanderschrick Frères, Brussels	silver		

SECOND ORDER OF MERIT.

FRUITS PRESERVED IN SPIRITS.		RICE STARCH.	
Vanderschrick Frères, Brussels	certificate	De Bontridder, I. F., Vilvorde	certificate
CHOCOLATE.			
Joveneau, A., Tournai	certificate		

Jury Section XXXIII.—MEAT AND FISH.

FIRST ORDER OF MERIT.

EXTRACT OF BEEF.
Delacre, C., Brussels silver

Jury Section XXXIVa.—SPIRITS.

SECOND ORDER OF MERIT.

CASE GENEVA.			
Vandenberg et Cie., Antwerp	certificate	Vandenberg et Cie., Antwerp (Bell Brand)	certificate
Vandenberg et Cie., Antwerp	certificate	Vandenberg et Cie., Antwerp	certificate

THIRD ORDER OF MERIT.

GENEVA IN CASE.
Meeus, L., Antwerp certificate

Jury Section XXXIVc.—CORDIALS AND LIQUEURS.

FIRST ORDER OF MERIT.

CURACOA.		MARASCHINO.	
Vanderschrick Frères, Brussels	silver	Vanderschrick Frères, Brussels	silver

RATAFIA.					
Cuvelier, J. B., et Fils, Brussels	bronze		Cuvelier, J. B., et Fils, Brussels	bronze	
ROSE LIQUEUR.					
Cuvelier, J. B., et Fils, Brussels	bronze		Cuvelier, J. B., et Fils, Brussels	bronze	
HYGIENIQUE LIQUEUR.					
Vanderbruggen, C., Brussels	bronze				
PUNCH.					
Vanderschrick Frères, Brussels	bronze				
FRAMBOISE.					
Vanderschrick Frères, Brussels	bronze				
BITTERS.					
Cuvelier, J. B., et Fils, Brussels	bronze				
			MONACO BITTERS.		
			Cuvelier, J. B., et Fils, Brussels	bronze	
			MISCELLANEOUS LIQUEURS.		
			Cuvelier, J. B., et Fils, Brussels	bronze	
			Declerck-Heer, Antwerp	bronze	
			SYRUPS.		
			Vanderschrick Frères, Brussels	bronze	
			Vanderschrick Frères, Brussels	bronze	

SECOND ORDER OF MERIT.

ELIXIR DE MALINES.					
Breckpot, G., Malines	certificate				
CURACOA (WHITE).					
Cuvelier, J. B., et Fils, Brussels	certificate				
CURACOA (RED).					
Cuvelier, J. B., et Fils, Brussels	certificate				
CURACOA.					
Vanderschrick Frères, Brussels	certificate				
ANNISETTE.					
Cuvelier, J. B., et Fils, Brussels	certificate				
Vanderschrick Frères, Brussels	certificate				
Vanderschrick Frères, Brussels	certificate				
			ELIXIRS.		
			Debeuckelaer, F. X., Antwerp	certificate	
			Vanderschrick Frères, Brussels	certificate	
			PEPPERMINT.		
			Cuvelier, J. B., et Fils, Brussels	certificate	
			PUNCH.		
			Cuvelier, J. B., et Fils, Brussels	certificate	
			BITTERS.		
			Bulcke, E., Ostend	certificate	
			SYRUPS.		
			Vanderschrick Frères, Brussels	certificate	

HONOURABLE MENTION.

MINERAL WATERS.

Arsenical Water Co., Court St. Etienne	certificate
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Jury Section XXXVII.—WEAVING, SEWING, AND PRINTING MACHINERY.

FIRST ORDER OF MERIT.

SACK-SEWING MACHINE.					
Turner, R. B., et Cie., Brussels	silver				
CARDS FOR SPINNING-MILLS.					
Horstmans Frères, Liège	bronze				
			SHUTTLES.		
			Turner, R. B., et Cie., Brussels	bronze	

FIFTH ORDER OF MERIT.

PLAN OF WOOLLEN FACTORY MACHINERY.

Snoeck, Madame, Ensival	certificate
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FRANCE.

Jury Section I.—FINE ARTS.

FIRST ORDER OF MERIT.

OIL PAINTINGS.		STEEL ENGRAVINGS.	
Cain, G., Paris	gold	Montefiore, E. L., Paris	silver
Comerre, L. F., Paris	gold		
Defaux, A., Paris	gold		
Lefebvre, J. J., Paris	gold		
Landelle, C., Paris	gold		
Toudouze, E., Paris	gold		
STEEL ENGRAVINGS AND ETCHINGS.		LITHOGRAPHY, ARTISTIC AND COMMERCIAL.	
Bertinot, G. N., Paris	silver	Appel, F., Paris	silver
Courty, C. L., Paris	silver		
Girardet, P., Paris	silver		
Girardet, E., Paris	silver		
Herkommer, H., Paris	silver		
Potemont, A. M., Paris	silver		
		ENGRAVED AND LITHOGRAPHED MAPS.	
		Depôt de la Guerre, Paris	bronze
		Hachette et Cie., Paris	bronze

SECOND ORDER OF MERIT.

OIL PAINTINGS.		STEEL ENGRAVINGS AND ETCHINGS.	
Badin, J., Paris	certificate	Brunet-Debaine, A., Paris	certificate
Barrias, F. J., Paris	certificate	Champollion, E. A., Paris	certificate
Berne-Bellecour, E. P., Paris	certificate	Deblois, C. A., Paris	certificate
Bertrand, G., Versailles	certificate	Didier, A., Paris	certificate
Guignard, G., Paris	certificate	Hedouin, E., Paris	certificate
Huas, P., Paris	certificate	Huot, A. J., Paris	certificate
Maignan, A., Paris	certificate	Jouanin, A. A., Paris	certificate
Schlesinger, H., Paris	certificate	Jacquemart, J. F., Paris	certificate
Veyrassat, J. J., Paris	certificate	Lagiullermie, A. F., Paris	certificate
Watelin, L. V., Paris	certificate	Massard, J. L., Paris	certificate
Zuber, J. H., Paris	certificate	Varin, E. A., Paris	certificate
		Waltner, C. A., Paris	certificate
WOOD CARVINGS.		OLEOGRAPHS, CHROMO-LITHOGRAPHS, AND CHROMO-TYPOGRAPHS.	
Barbant, C., Paris	certificate	Leroy, Secail et Cie., Paris	certificate
Hildibrand, H. T., Paris	certificate		
Robert, C. J., Paris	certificate		

THIRD ORDER OF MERIT.

OIL PAINTINGS.			
Beyle, Pierre M., Paris	certificate	Laporte, E. H., Paris	certificate
Barillot, L., Paris	certificate	Lejeune, E., Paris	certificate
Berthon, N., Paris	certificate	Lobrichon, T., Paris	certificate
Comte, P. C., Paris	certificate	Melingue, L., Paris	certificate
Desgoffe, B., Paris	certificate	Nicolle, E. F., Rouen	certificate
Dubufe, E., Paris	certificate	Pabst, C. A., Paris	certificate
Desbrosses, B., Paris	certificate	Sergent, L., Paris	certificate
De Vuillefroy, D. F., Paris	certificate	Vayson, P., Paris	certificate
Gautier, A., Paris	certificate	Vuagnat, F., Paris	certificate
Gonse, R., Trippleval	certificate		

FOURTH ORDER OF MERIT.

OIL PAINTINGS.

Hillemacher, E. E., Paris	certificate
Thirion, E. Romain, Paris	certificate

FIFTH ORDER OF MERIT.

OIL PAINTINGS.

Gide, C., Paris	certificate
Gudin, T., Boulogne	certificate
La Villette, E., Fort Bicêtre, near Paris	certificate

MOTHER-OF-PEARL PICTURES.

Prunier, G., Paris	certificate
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Jury Section II.—SCULPTURE, BRONZES, &c.

FIRST ORDER OF MERIT.

BRONZES.

Barbedienne, H., Paris	gold
Christofle et Cie., Paris	gold
Martin, F., Paris	gold
Vauréal, H., Paris	
Sanzel, F., Paris	

ENGRAVING AND CHASING.

Christofle et Cie., Paris	gold
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CAMEOS.

Bissenger, George	silver
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PLATEDWARE.

Boulenger, A., et Cie., Paris	silver
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IMITATION BRONZES.

Blot et Drouard, Paris	silver
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REPOUSSE WORK.

Christofle et Cie., Paris	silver
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ENAMELS.

Soyer, H.	silver
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BRONZE CASTINGS.

Société du Val d'Osne, Paris	silver
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SECOND ORDER OF MERIT.

SCULPTURE.

De Vasselot, A. M., Paris	certificate
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BRONZES.

Cambos, J., Paris	certificate
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THIRD ORDER OF MERIT.

SCULPTURE.

Barrias, L. E., Paris	certificate
Itasse, A., Paris	certificate
Louis, N. H., Paris	certificate

ZINCWORK.

Hottot, —, Paris	certificate
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ENGRAVINGS ON METAL.

Chambre de Commerce, Besançon	certificate
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BRONZES.

Bertaux, Leon, Madame, Paris	certificate
Doublemard, A. D., Paris	certificate
Durenne, A., Paris	certificate
Emery, A., Paris	certificate
Gay, Lamaille et Cie., Paris	certificate
Hubault et Breuillard, Paris	certificate
Journet et Cie., Paris	certificate
Lohse, E., Paris	certificate
Mercery et Jussy, Paris	certificate

FOURTH ORDER OF MERIT.

SCULPTURE.

Aizelin, E., Paris	certificate
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BRONZES.

Bartholdi, F. A., Paris	certificate
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Brocot, P., Paris	certificate
Delaplanche, E., Paris	certificate
Jeukens, ainé, et Cie., Paris	certificate
Richardin, H., Paris	certificate

FIFTH ORDER OF MERIT.

BRONZES.

Avoiron et Clément, Paris	certificate
Domange-Rollin, Paris	certificate
Ringel, D., Paris	certificate

ZINC WORK.

Ranvier, J., Paris	certificate
Vincent, J., Paris	certificate

Jury Section III.—EDUCATION.

FIRST ORDER OF MERIT.

SCHOOL APPLIANCES.		SCHOOL BOOKS.	
Collection Ravaisson, Paris	gold	Delagrave, C., Paris	gold
Delagrave, C., Paris	gold	Gauthier-Villars, Paris	gold
		Hachette et Cie., Paris	gold
TECHNICAL AND SPECIAL SCHOOL.		MAPS.	
Ecole des Mines, Paris	(1)	Delagrave, C., Paris	gold
Ecole des Ponts et Chaussées, Paris	(1)	Hachette et Cie., Paris	gold
Ecole Communale et Professionnelle du Faubourg St. Denis, Paris	(1)	Ministère des Travaux Publics, Paris	(1)
Ecole Municipale et Professionnelle de la Villette, Paris	(1)	Ministère de la Guerre, Paris	(1)
Ecole Municipale et Professionnelle de Limoges, Limoges	(1)	EDUCATIONAL EXHIBIT.	
Ecole Professionnelle d'Elisa Le Monier, Paris	(1)	Ministère de l'Instruction Publique, Paris	(1)
		Ville de Paris, Paris	(1)
		COLLABORATOR.	
		Petit Pierre, Paris	gold

SECOND ORDER OF MERIT.

SCHOOL BOOKS.		MAPS.	
Belin, E., Paris	certificate	Belin, E., Paris	certificate
Delalain Frères, Paris	certificate	TECHNICAL AND SPECIAL SCHOOLS.	
Dunod, P. C., Paris	certificate	Ecole d'Horlogerie de Besançon, Besançon	certificate

THIRD ORDER OF MERIT.

TECHNICAL AND SPECIAL SCHOOLS.		MAPS.	
Ecole Municipale et Professionnelle de Douai, Douai	certificate	Delalain Frères, Paris	certificate
Ecole Professionnelle de la Rue Hauteville, Paris	certificate	Le Vasseur, F., Paris	certificate
Ecole de la Société des Maçons, Paris	certificate	SCHOOL BOOKS.	
		Rothschild, J., Paris	certificate
		Ecole Navale de Brest, Brest	certificate

FOURTH ORDER OF MERIT.

TECHNICAL AND SPECIAL SCHOOLS.		SCHOOL APPLIANCES.	
Institut des Sourds-Muets, Paris	certificate	Collection Bardot, Paris	certificate
Institut des Aveugles, Paris	certificate		

FIFTH ORDER OF MERIT.

TECHNICAL AND SPECIAL SCHOOLS.		SCHOOL APPLIANCES.	
Ecole de St. Dié, Vosges	certificate	Barthier, Inspecteur Primaire, Paris	certificate
		Chaumeil, Paris	certificate

HONOURABLE MENTION.

CHART OF PATENT LAWS.		PUBLICATIONS.	
Thirion, Ch., Paris	certificate	Depierre, A., Puteaux, Seine	certificate

(1) Certificate equal to gold.

Jury Section IV.—PRINTING, BOOKS, STATIONERY.**FIRST ORDER OF MERIT.**

CHROMO & GENERAL LITHOGRAPHY.
Appel, F., Paris silver

PENS AND PENCILS.
Baignol et Farjon, Boulogne-sur-Mer silver

PRINTING PAPER.
Olmer, G., Paris silver

HAND-MADE PAPER.
Blanchet Frères et Kleber, Rives, Loire silver
Société Anonyme Papeterie du Marais, Paris silver

WRITING PAPER.
Blanchet Frères et Kleber, Rives, Loire silver

DRAWING PAPER.
Blanchet Frères et Kleber, Rives, Loire silver

PLATE AND DRAWING PAPER.
Olmer, G., Paris silver
Société Anonyme Papeterie du Marais, Paris silver

BOOKBINDING.
Engel et Fils, Paris silver

PRINTING INK, BLACK.
Lorilleux, C., Puteaux, Seine silver

LITHOGRAPHIC INK, BLACK.
Lorilleux, C., Puteaux, Seine silver

PRINTING.
Chaix et Cie., Paris bronze
Gauthier-Villars, Paris bronze
Jouaust, D., Paris bronze
Plon, E., Paris bronze

PRINTERS' ROLLER COMPOSITION.
Claris et Gallice, Lyons bronze

BOOKBINDING MATERIALS.
Villeneuve, E., Paris bronze

PUBLICATIONS.
Belin, E., Paris bronze
Delagrave, C., Paris bronze
Dunod, Paris bronze
Gauthier-Villars, Paris bronze
Hachette et Cie., Paris bronze
Jouaust, D., Paris bronze
Le Cercle de la Librairie, Paris (3)
Le Vasseur, A., Paris bronze
Plon, E., Paris bronze
Rothschild, J., Paris bronze
Willem, L. J. V., Paris bronze

PUBLICATIONS, SEED ALBUM.
Vilmorin-Andrieux et Cie., Paris bronze

ARTISTS' MATERIALS AND BRUSHES.
Pitet, ainé, Paris bronze

COLOURS AND PALETTES.
Rocher, Prost et Cie., Paris bronze

CONFECTIONERS' FANCY PAPER.
Caillault et Levasseur, Paris bronze

WRITING INK, BLACK.
Antoine, L., Fils, Paris bronze
Toiray-Maurin, Vve., Paris bronze

COPYING INK.
Toiray-Maurin, Vve., Paris bronze

MARKING INK.
Toiray-Maurin, Vve., Paris bronze

OFFICE WAX.
Toiray-Maurin, Vve., Paris bronze

SECOND ORDER OF MERIT.

COPYING INK.
Antoine, L., Fils, Paris certificate
Messener Fils, Paris certificate

WRITING INK, COLOURED.
Antoine, L., Fils, Paris certificate
Toiray-Maurin, Vve., Paris certificate

STATIONERS' HARDWARE.
Dubourguet, A., Paris certificate

PUBLICATIONS.
Delalain Frères, Paris certificate
Germer-Baillière, Paris certificate
Hennuyer, F. A., Paris certificate
Thorin, E., Paris certificate

ARTISTS' BRUSHES.
Renault, A., Paris certificate

LITHOGRAPHIC PROOFS.
Clarey, A., Asnières certificate
Hutinet, D., Paris certificate
Pichot, E., Paris certificate

CHROMO-LITHOS.
Jehenne et Cie., Paris certificate

DRAWING PAPER.
Guérinand et Cie., Varion certificate

PRINTERS' VARNISH.
Lorilleux, C., Puteaux, Seine certificate

THIRD ORDER OF MERIT.

PUBLICATIONS.		PRINTING PAPER.	
Armengaud, aîné, Paris	certificate	Guérinand et Cie., Varion	certificate
Chambre de Commerce, Paris	certificate		
Delamotte, H., Paris	certificate		
PRINTING.		WRITING PAPER.	
Belin, E., Paris	certificate	Guérinand et Cie., Varion	certificate
Hennuyer, F. A., Paris	certificate		
Torchon, C., Paris	certificate		
CHALKS.		BLOTTING PAPER.	
Jeannin Frères, Chaffois	certificate	Blanchet Frères et Kleber, Rives	certificate
PLAYING CARDS.		WRITING INK, BLACK.	
Grimaud, Chartier et Marteau, Paris	certificate	Messener Fils, Paris	certificate
PRINTING INK, BLACK.		WRITING INK, COLOURED.	
Claris et Gallice, Lyons	certificate	Messener Fils, Paris	certificate

FOURTH ORDER OF MERIT.

PUBLICATIONS.	
Depierre, A., Seine	certificate
Morand, M., Lyons	certificate

FIFTH ORDER OF MERIT.

BLOTTING PAPER.	
Guérinand et Cie., Varion	certificate

Jury Section V.—PHOTOGRAPHIC PROOFS AND APPARATUS.

FIRST ORDER OF MERIT.

PORTRAITS TAKEN DIRECT.	
Petit, Pierre, Paris	bronze

THIRD ORDER OF MERIT.

COLOURED AND TINTED PHOTOGRAPHS.	
Renard, Edouard, Paris	certificate

Jury Section VI.—MUSICAL INSTRUMENTS.

FIRST ORDER OF MERIT.

CONCERT GRAND PIANOS.		PIANOFORTE ACTIONS.	
Erard, Veuve, Paris	gold	Gehrling, C., et Fils, Paris	gold
Herz, H., Paris	gold		
Herz, Philippe, Paris	gold		
SEMI-GRAND PIANOS.		HARP.	
Bord, A., Paris	gold	Erard, Vve., Paris	gold
COTTAGE PIANOS.		KEYBOARDS.	
Erard, Veuve, Paris	gold	Corbeel, J. H., Paris	silver
Herz, Henry, Paris	gold		
Herz, Philippe, Paris	gold		
HARMONIUM.		REEDS FOR ORGANS & HARMONIUMS.	
Debain et Cie., Paris	gold	Estève, J., Paris	silver
		VIOLINS AND TENORS.	
		Grandini-Geronimo, Paris	silver

CLARIONETS AND FLUTES.

Grandini-Geronimo, Paris	silver
Lecomte et Cie., Paris	silver

BARREL ORGANS.

Gavioli et Cie., Paris	bronze
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BRASSINSTRUMENTS, COMPLETE SETS.

Lecomte et Cie., Paris	silver
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ORCHESTRAL PARTITIONS.

Grus, L., Paris	bronze
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SECOND ORDER OF MERIT.**GRAND PIANOS.**

Thibout, Veuve A., Paris	certificate
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MECHANICAL PIANO.

Debain et Cie., Paris	certificate
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COTTAGE PIANOS.

Aucher Frères, Paris	certificate
Bord, A., Paris	certificate
Boisselot Frères, Marseilles	certificate
Ruch, J., Paris	certificate
Souffleto, C. E., Paris	certificate
Thibout, Veuve A., Paris	certificate

VIOLINS AND TENORS.

Bailly, P., Paris	certificate
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VIOLIN STRINGS.

Grandini-Geronimo, Paris	certificate
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THIRD ORDER OF MERIT.**COTTAGE PIANOS.**

Debain et Cie., Paris	certificate
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Sub-Jury.—PRINTED MUSIC.**FIRST ORDER OF MERIT.****PUBLICATIONS REFERRING TO
SCHOOLS OF MUSIC METHODS.**

Heugel et Cie., Paris	silver
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**PRINTED MUSIC, MUSIC PUBLICATIONS,
AND METHODS.**

Leduc, A., Paris	silver
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METHOD OF MUSIC.

Mathis-Lussy, Paris	silver
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SECOND ORDER OF MERIT.**METHOD OF TEACHING.**

Bischoff, Ernest, Rouen	certificate
Leduc, A., Paris	certificate
Moonen, L., Paris	certificate

MUSIC ENGRAVED ON PEWTER PLATES.

Beauvois, E., Paris	certificate
Leduc, A., Paris	certificate

**ELEMENTARY METHOD OF TEACHING
SINGING.**

Brody, A., Paris	certificate
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**SPECIAL PUBLICATIONS FOR
TEACHING MUSIC.****PRINTED MUSIC.**

Heugel et Cie., Paris	certificate
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Hennuyer, A. F., Paris	certificate
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THIRD ORDER OF MERIT.**METHODS OF TEACHING MUSIC.**

Mangin, E., Paris	certificate
Metzner, C., Nancy	certificate

Pierpont, Maria de, Melle, Paris	certificate
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Jury Section VII.—MEDICINE, HYGIENE, AND PUBLIC RELIEF.**FIRST ORDER OF MERIT.****SURGICAL INSTRUMENTS.**

Vergne, H., Paris	gold
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SECOND ORDER OF MERIT.

SURGICAL INSTRUMENTS.

Vitry, A., Paris

certificate

THIRD ORDER OF MERIT.

GRADUATED BOTTLES FOR CHILDREN.

Monchovaut, H., Paris

certificate

BOTTLES FOR INFANTS.

Robert, E., Dijon

certificate

Jury Section VIII.—CLOCKS AND WATCHES.

FIRST ORDER OF MERIT.

HAND TELESCOPES AND BINOCULARS.

Lemaire, A., Paris

gold

CUTLERY.

Piault, J., Paris

gold

OPTICAL GLASSES AND MATERIALS.

Feil et Fils, Paris

silver

MATHEMATICAL AND PHILOSOPHICAL INSTRUMENTS.

Société des Lunetiers, Paris

gold

MANTEL, CARRIAGE, ORNAMENTAL, AND ORDINARY CLOCKS.

Brocot, P., Paris

silver

SECOND ORDER OF MERIT.

ASTRONOMICAL, SURVEYING, AND NAUTICAL INSTRUMENTS.

Balbreck, Ainé, Paris

certificate

MANTEL, CARRIAGE, ORNAMENTAL, AND ORDINARY CLOCKS.

Gay, Lamaille et Cie., Paris

certificate

BAROMETERS, THERMOMETERS, HYDROMETERS.

Naudet et Cie., Paris

certificate

THIRD ORDER OF MERIT.

ASTRONOMICAL, SURVEYING, AND NAUTICAL INSTRUMENTS.

Iseli, R., Paris

certificate

OPTICAL GLASS AND MATERIALS.

Radiguet et Fils, Paris

certificate

BAROMETERS, THERMOMETERS, AND HYDROMETERS.

Guichard et Cie., Paris

certificate

Redier et Cie., Paris

certificate

MANTEL, CARRIAGE, ORNAMENTAL, AND ORDINARY CLOCKS.

Diette, Fils et Hour, Paris

certificate

Hervé-Cuon, Paris

certificate

Quinet et Richard, Paris

certificate

Redier et Cie., Paris

certificate

Rodanet, A. H., Paris

certificate

Rolez, J., Paris

certificate

SPECTACLES AND EYE-LENSES.

Moret, Bailly Ainé, Paris

certificate

Martin, A., Morez Jura

certificate

Vuillet, C., Morez Jura

certificate

CUCKOO, TRUMPETER, AND MUSICAL CLOCKS.

Bomtems, B., Paris

certificate

FOURTH ORDER OF MERIT.

WEIGHING AND MEASURING APPARATUS.

Collot, A., Paris

certificate

POCKET WATCHES AND CHRONOMETERS.

Besançon (Collectivité de), Besançon certificate

Savoie Frères, Paris

certificate

BAROMETERS, THERMOMETERS, AND HYDROMETERS.

Arrouit, L., Paris

certificate

MANTEL, CARRIAGE, ORNAMENTAL, AND ORDINARY CLOCKS.

Borel, F., Paris

certificate

Mercery et Jussy, Paris

certificate

PHONOGRAPH, AND ELECTRIC CLOCK.

Hardy, E., Paris

certificate

CUTLERY.

Batisse-Dumas, Paris

certificate

Vitry, A., Paris

certificate

FIFTH ORDER OF MERIT.

WEIGHING & MEASURING APPARATUS.
Exupere, L., Paris certificate

SPECTACLES AND EYE-LENSES.
Bernadac et Croisé, Paris certificate
Lamy, Fils, A., Morez, Jura certificate

MANTEL, CARRIAGE, AND ORNA-
MENTAL CLOCKS.

Dessiaux, E., Paris certificate
Guignon, E., Paris certificate
Japy Frères et Cie., Paris certificate
Sauteur, Labitte, Paris certificate

Jury Section IX.—FURNITURE AND ACCESSORIES.

FIRST ORDER OF MERIT.

BELLEVILLE TAPESTRY.
Berchoud, L., Paris gold

AUBASSON CARPETS AND TAPESTRY.
Braquenié et Cie., Paris gold

COVERINGS FOR FURNITURE AND
CARRIAGES.
Boyriven Frères, Paris gold

CARPETS, HANGINGS, & TAPESTRIES.
Duplan et Hamot, Paris gold

CLOTHS FOR FURNITURE AND
CHURCH ORNAMENTS.
Emery, L. et A., Lyons gold

COVERINGS FOR FURNITURE, HANG-
INGS, AND COVERS.
Leduc, E., Paris gold

ARTISTIC FURNITURE HANGINGS &
COVERINGS FOR FURNITURE.
Damon, Namur et Cie., St. Antoine gold

CLOTHS FOR FURNITURE.
Thierry, Mieg et Cie., Paris gold

COVERINGS FOR FURNITURE.
Vanoutryve, F., et Cie., Paris gold

LOOKING-GLASSES.
Chamouillet, L., Paris silver

VELVET BORDERS AND VELVET
PAPERHANGINGS.
Follot, F., Paris silver

PAINTED PAPER WALL PANELS.
Gillou et Fils, Paris silver

PAPERHANGINGS.
Leroy, I., et Fils, Paris silver

SECOND ORDER OF MERIT.

LOOKING-GLASSES AND FURNITURE.
Brot, Leopold, Paris certificate

CLOTHS FOR FURNITURE.
Bertrand-Boula, Nismes certificate
Dupont et Hervé, Paris certificate
Saurel Frères, Paris certificate
Tresca, E., Paris certificate

CARPETS, VARIOUS.
Lorthiois Frères, Nord certificate
Sallandrouze Frères, Paris certificate

DININGROOM FURNITURE.
Moonen, L., Paris certificate

THIRD ORDER OF MERIT.

DRAWINGROOM SUITE.
Schmidt et Piollet, Paris certificate

CLOTHS FOR FURNITURE, RAILWAYS,
AND CARRIAGES.
Rouault et Gent, Paris certificate

CLOTHS FOR FURNITURE.
Pin, Fils et Clugnet, Paris certificate

SILK FOR CHURCHES AND TAPESTRY.
Ringard, L., Vanel, et Cie., Lyons certificate

FOURTH ORDER OF MERIT.

FURNITURE STUFFS.
Camel Frères et Cie., Lyons certificate

CAST-IRON FURNITURE.
Garceau, —, Paris certificate

CARPET.
Gravier, Clément, Nismes certificate

Jury Section X.—GLASS AND POTTERY.

FIRST ORDER OF MERIT.

POTTERY.			PAINTED WINDOWS.	
Chambre de Commerce de Limoges, Limoges	(1)		Lorin, N., Chartres	gold
ARTISTIC POTTERY.			ARTISTIC GLASS AND MIRRORS.	
Faiencerie de Gien, Paris	gold		Société des Glaces de St. Gobain, St. Gobain	gold
Huart Frères, Longwy	gold			
Sèvres, Manufactures Nationales de, Sèvres	gold			

SECOND ORDER OF MERIT.

PORCELAIN AND EARTHENWARE.			GLASSWARE, PLAIN & ORNAMENTAL.	
Bourdon et Robert, Limoges	certificate		Landier et Houdaille, Paris	certificate
POTTERY.			ARTISTIC POTTERY.	
Houry, J., Paris	certificate		Vion, D., Paris	certificate
Huart Frères, Longwy	certificate			

THIRD ORDER OF MERIT.

GLASSWARE, ORNAMENTAL, AND FOR HOUSEHOLD PURPOSES.			GLASSWARE, PLAIN, ENGRAVED, ETCHED, CUT, AND ORNAMENTAL.	
Boussard, D., Paris	certificate		Société du Verre Trempé, Paris	certificate
Sauvageot Frères, Paris	certificate			
POTTERY.			WINDOW GLASS AND MIRRORS.	
Bourdon et Robert, Paris	certificate		Benda, A., Paris	certificate
Monnier, F., Foëcy	certificate			
			GLASSWARE, PLAIN & ORNAMENTAL.	
			Bernard, C., Bagneaux	certificate

FOURTH ORDER OF MERIT.

WINDOW GLASS AND MIRRORS.			GLASSWARE, ORNAMENTAL, AND FOR HOUSEHOLD PURPOSES.	
Chamouillet, L., Paris	certificate			
GLASSWARE, ETCHED AND CUT.			GLASSWARE, ORNAMENTAL, AND FOR HOUSEHOLD PURPOSES.	
Landier et Houdaille, Paris	certificate			
			Le Blanc, C., Paris	certificate

FIFTH ORDER OF MERIT.

POTTERY.			ARTISTIC POTTERY.	
Ardant et Laporte, Limoges	certificate		Peullier, L., Paris	certificate
Barluet et Cie., Paris	certificate			
Noussot Frères, Limoges	certificate			

Jury Section XI.—JEWELLERY AND SILVERSMITHS' WORK.

FIRST ORDER OF MERIT.

GOLD AND SILVERSMITHS' WORK.			IMITATION JEWELLERY.	
Christofle et Cie., Paris	silver		Murat, —, Paris	bronze
			Savard, Vve., Paris	bronze
GOLD AND SILVER JEWELLERY.			IMITATION PEARLS.	
Lion, A., Paris	silver		Ruteau Frères, Paris	bronze
Petit Fils, Paris	silver			
MATERIAL FOR JEWELLERS.			IMITATION DIAMONDS.	
Ferré, T., Paris	silver		Régad, A., Paris	bronze

(1) Certificate equal to gold.

SECOND ORDER OF MERIT.

CLOISONNE ENAMEL.		PORCELAIN JEWELLERY.	
Christofle et Cie., Paris	certificate	Moulinet, Souchet, Paris	certificate
IMITATION DIAMONDS.		IMITATION JEWELLERY.	
David et Frère, Paris	certificate	Piel, A., Paris	certificate
ENAMELLED JEWELLERY.		GOLDSMITH & SILVERSMITHS' WORK.	
Fornet, A., Bourg	certificate	Société des Couverts Alfenide, Paris	certificate
GOLD AND SILVER THIMBLES.			
Féan, A. V., Paris	certificate		

THIRD ORDER OF MERIT.

GOLDSMITH & SILVERSMITHS' WORK.		IMITATION JEWELLERY.	
Boulenger, A., Paris	certificate	Bourcier, C., Paris	certificate
		Bulot, —, Paris	certificate
		Nérard, L., Paris	certificate
GOLD AND SILVER JEWELLERY.		MOURNING JEWELLERY.	
Baudet et Fils, Paris	certificate	Pinsard-Martin, Paris	certificate
Candelot, P., Paris	certificate		
Lucy, E., Paris	certificate	MATERIALS FOR JEWELLERS.	
		Zimmerli, E., Paris	certificate

FOURTH ORDER OF MERIT.

IMITATION JEWELLERY.		IMITATION DIAMONDS.	
Hemery, E., Paris	certificate	Maillard, F., Paris	certificate
Regey et Cie., Paris	certificate		
Thomas, E., Paris	certificate		

Jury Section XII.—CIVIL ENGINEERING, PUBLIC WORKS.

FIRST ORDER OF MERIT.

GASALIERS.		GAS COOKING STOVES.	
Delafollie, Bastide, Castoul et Cie., Paris	gold	Viellard et Cie., Paris	silver
STAINED GLASS WINDOWS.		PATENT HINGES.	
Lorin, N., Chartres	gold	Lepault, L. P., Nouzon	bronze
MARBLE MANTELPIECES.		GAS CONDENSER.	
Parfonry, F., Paris	silver	Pelouze et Audoin, Paris	bronze
TABLE LAMPS.			
Schlossmacher et Ferreux, Paris	silver		

SECOND ORDER OF MERIT.

GAS HEATING STOVES.	
Martin, C., Paris	certificate

Jury Section XIII. and XXII.—CHEMICAL AND PHARMACEUTICAL PRODUCTS.

FIRST ORDER OF MERIT.

PHARMACEUTICAL PREPARATIONS.		MEDICATED WAFERS.	
Genevoix, E., et Cie., Paris	gold	Limousen et Cie., Paris	gold

ANILINE DYES.		SOAPS.	
Poirrier, A., Paris	gold	Jounet et Serret, Marseilles	silver
PHARMACEUTICAL AND CHEMICAL PRODUCTS.		Michaud, Fils, Frères, Seine	silver
Poulenc et Fils, Paris	gold	PAINTS, COLOURS, AND VARNISHES.	
CARBONATE SODA.		Lerainville et Rambaud, Paris	silver
Solvay et Cie., Vrangeville	gold	COLOURS AND VARNISHES.	
CHEMICAL AND PHARMACEUTICAL PREPARATIONS.		Lefranc, A., Paris	silver
Torchon, C., Paris	gold	Rouquier, Milius, Seine	silver
QUININE.		VITRIFIABLE COLOURS FOR PORCELAIN.	
Armet de Lisle et Cie., Paris	silver	Lacroix, A., Paris	silver
REDUCED IRON FOR MEDICINAL USE.		PERFUMES, ESSENTIAL OILS, POMADES.	
Blaquart et Genevoix, Paris	silver	Roure, Bertrand, et Fils, Grasse	silver
DYED WOOLLEN GOODS.		SULPHUR.	
Blanche, A., Puteaux, Seine	silver	Boude et Fils, Marseilles	bronze
Chalamel et Cie., Puteaux, Seine	silver	GELATINE AND GLUE.	
VARNISHED LACQUERS.		Coignet, Fils et Cie., Paris	bronze
Chalmel, G., Paris	silver	Manufact. de Javel, Paris	bronze
PERFUMES, TOILET PREPARATIONS, AND SOAPS.		DENTIFRICE.	
Coudray, E., et Fils, Paris	silver	Chouet et Cie., Paris	bronze
Guerlain, A., Paris	silver	ULTRAMARINES AND LAUNDRY BLUES.	
EAU DE COLOGNE.		Deschamps Frères, Vieux Jean-d'heurs	bronze
Coudray, E., et Fils, Paris	silver	Guinet, E., Lyons	bronze
Delettrez, A., Paris	silver	SAFFRON.	
PLASTERS AND SURGICAL DRESSINGS.		Grasas, J., Marseilles	bronze
Desnoix et Cie., Paris	silver	BLACKING.	
BLEACHED COTTON GOODS.		Leroy, C., Paris	bronze
Daliphard et Heilmann, Rouen	silver	MEDICINAL CAPSULES.	
VEGETABLE COLOURS.		Mothes, Lamouroux, Paris	bronze
Girod, C., Paris	silver	SELTZOGENES.	
PERFUMES AND TOILET SOAPS.		Maldine, H., Paris	bronze
Gauthier et Cie., Paris	silver	Thessier-Fèvre, Paris	bronze
		FEEDING BOTTLES.	
		Robert, Edouard, Dijon	bronze

SECOND ORDER OF MERIT.

PERFUMES, TOILET PREPARATIONS, AND SOAPS.		PEPSINE AND PREPARATIONS.	
Delettrez, A., Paris	certificate	Hottot, A., et Cie., Paris	certificate
Roger et Gallet, Paris	certificate	CHEMICALS AND DRUGS.	
EAU DE COLOGNE.		Montreuil Frères, et A. Vignat et Cie., Paris	certificate
Gautier et Cie., Paris	certificate	PERFUMED SATCHELS.	
Guerlain, A., Paris	certificate	Carcano, Mdme., Paris	certificate
Roger et Gallet (Jean Marie Farina), Paris	certificate		

THIRD ORDER OF MERIT.

PERFUMES & TOILET PREPARATIONS.
Muraour et Cie., Paris certificate

PERFUMES, TOILET PREPARATIONS,
AND SOAPS.
Cottance, —, Paris certificate

HONOURABLE MENTION.

PHOTOGRAPHIC PAPERS.
Audouin, J., Paris certificate

CHEMISTS' FILTER PAPERS.
Laurent et Fils, Paris certificate

Jury Section XIV.—LEATHERWORK AND FANCY ARTICLES.

FIRST ORDER OF MERIT.

FANCY FLOWERS IN PORCELAIN.
Boussard, D., Paris silver

PIPES.
Bondier, Ulbrich et Cie., Paris bronze
Krebs, W., Paris bronze

BRUSHWARE.
Cossart, Fleury, Paris silver
Gauchot Fils, Paris silver
Loddé Fils, Paris silver

MECHANICAL TOYS.
Bomtems, D., Paris bronze
Jumeau, E., Paris bronze
Vichy, G., Paris bronze

PORCELAIN FLOWERS MOUNTED ON
SILVER.
Moulinet, Souchet, Paris silver

FANCY ARTICLES, CARVED, TURNED,
AND ENGRAVED; IN WOOD, IVORY,
AND TORTOISE-SHELL.
Cleray, E., Paris bronze

CAMP FURNITURE.
Walcker, W., et Cie., Paris silver

DRESSING-CASES, WORKBOXES.
Grunbaum, Hermann, Paris bronze
Gontard, Marteau et Cie., Paris bronze
Lochet, aîné, et De Bertrand, Paris bronze

BASKET AND STRAW WORK.
Arlès-Dufour et Cie., Paris bronze

FANCY ARTICLES IN METALWARE.
Gossart Fils, Paris bronze
Huet, J., Paris bronze

DRESSING-CASES, WORKBOXES, CIGAR-
CASES, CASKETS, AND FANCY ARTI-
CLES IN WOOD AND LEATHER.
Brochard, E., Paris bronze

TOYS.
Lejeune, A., Paris bronze

SECOND ORDER OF MERIT.

DRESSING-CASES, WORKBOXES.
Amson et Fils, Paris certificate

COMBS.
Bernadac et Croisé, Paris certificate
Bernadac, D. J. B., Paris certificate
Dumas-Zorgo, Paris certificate
Lefevres, Guicheux, Ezy certificate

FANCY ARTICLES.
Barbier et Fils, Paris certificate
Barthelemy, —, Paris certificate

CAMP FURNITURE.
Freté et Cie., Paris certificate

FANCY ARTICLES IN METALWARE.
Borgest, P., Paris certificate
Boucart Jeune, Paris certificate
Millet Fils, Paris certificate

PIPES.
Georges-Flavien, Paris certificate
Wedeles et Cie., Paris certificate

MECHANICAL TOYS.
Bru, jun., Paris certificate
Martin, E., Paris certificate
Potier, G., Paris certificate

BRUSHWARE.
Marie-Desjours, Paris certificate
Pitet, aîné, Paris certificate
Renault, A., Paris certificate

PICTURES IN MOTHER-OF-PEARL.
Prunier, E., Paris certificate

THIRD ORDER OF MERIT.

COMBS.		DRESSING-CASES, WORKBOXES, FANCY ARTICLES IN WOOD AND LEATHER.	
Bez et Fils, Paris	certificate	Leclerc, Vve. A., Paris	certificate
FANCY ARTICLES.		FANCY ARTICLES IN METALWARE.	
Filsjean, H., Paris	certificate	Prévost, V., Paris	certificate
PORTMANTEAUS AND TRUNKS.			
Flandin, T. D., Paris	certificate		

FOURTH ORDER OF MERIT.

FANCY GOODS.	
Ravenet, ainé, Paris	certificate

Jury Section XV.—COTTON, FLAX, HEMP, CLOTHING, &c.

FIRST ORDER OF MERIT.

COTTON DRESS GOODS.		MANTLES AND DRESSES.	
Bonnet, Regnault, Rouen	gold	Salmé, H., et Lepine, Paris	silver
Keittinger, F., et Fils, Lescure	gold	MOLESKINS.	
Lacassaigne, A., Rouen	gold	Thibaut, Autin, et Lapersonne, Rouen	silver
Manchon, A., Rouen	gold	LADIES' COSTUMES AND UNDER-CLOTHING.	
Renault, E., Rouen	gold	Vessièrre, Paulin, Paris	silver
Stackler, H., Rouen	gold	HOSIERY.	
BLEACHED CALICO.		Bonbon, G., et Cie., Troyes	bronze
Fauquet-Lemaitre, Rouen	gold	Damoiseau, K., Troyes	bronze
Vaucher, E., et Cie., Rouen	gold	Germain Fils, Nismes	bronze
LADIES' UNTRIMMED HATS.		Morcel Frères, Plancy	bronze
Agnellet Frères, Paris	silver	Quinquarlet, Avit, Aix-en-Othe	bronze
GLOVES.		Raguet, P., et Cie., Troyes	bronze
Berard, C., Grenoble	silver	Thuillier Poisson, Aube	bronze
Courvoisier, P., et Cie., Paris	silver	BUTTONS.	
Calvat, F., et Cie., Grenoble	silver	Bapterosses, F., Paris	bronze
Jouvin "Société Veuve Xavier," Paris	silver	May Frères, Paris	bronze
Jay, E. et S., Paris	silver	Parent, A., et Cie., Paris	bronze
Neyret, C., et Cie., Paris	silver	ARTIFICIAL FLOWERS.	
Rouillon, F., Grenoble	silver	Chambre Syndicale des Fleurs, Paris	bronze
Wiesner, M., Paris	silver	Poitevin, G., Paris	bronze
FELT HATS.		FANS.	
De Clermont et Cie., Paris	silver	Duvelleroy, —, Paris	bronze
Haas et Cie., Paris	silver	Kees, Ernest, Paris	bronze
UMBRELLAS AND PARASOLS.		BRACES AND GARTERS.	
Falcimaigne, C., Fils, Paris	silver	Fayaud, A., Paris	bronze
FUR MANTLES.		Fromage, L., et Cie., Paris	bronze
Grebert-Borgnis, Paris	silver	SCARFS AND FICHUS.	
LINEN THREADS.		Loncle et Lamoitier, Paris	bronze
Hassebroucq Frères, Paris	silver	ELASTIC WEBBING FOR GARTERS.	
LINEN FABRICS.		Pascal, L., Fils et Frères, Paris	bronze
Meunier et Cie., Paris	silver		
Magnier, Brunet, Duplay et Cie.	silver		
SHIRTS.			
Lueur, E., et Cie., Paris	silver		

SECOND ORDER OF MERIT.

SHIRTS.		STRAW HATS.	
Bertholet et Cie., Paris	certificate	Langenhagen, de, C. B., Nancy	certificate
GLOVES.		COTTON YARN.	
Boussard et Morrisson, Paris	certificate	Lemoine, S., et Cie., Thibouville	certificate
Perrin Frères, Grenoble	certificate		
FANS.		WATERPROOF CLOTHING.	
Buissot et Fils, Paris	certificate	Maurel, A., Paris	certificate
CORSETS.		BRACES AND GARTERS.	
Carcaut, G., Paris	certificate	Roussel, A., et Bailey, G. (late	
Grut, Père et Fils, Paris	certificate	Guyot et Cie.), Paris	certificate
Libron et Stiegler, Paris	certificate		
COTTON BLANKETS.		COTTON DRESS GOODS.	
Dubreuil et Lalande, Paris	certificate	Lemaitre, Lavotte, Rouen	certificate
		Rondeaux, H., Rouen	certificate
ARTIFICIAL FLOWERS.		Wallon, P. H., et Cie., Rouen	certificate
Dupont, Delafosse, Paris	certificate		
Delivré, L., Paris	certificate	SLOP CLOTHING.	
		Godchau, A., Paris	certificate

THIRD ORDER OF MERIT.

SHIRTS.		UNDERCLOTHING.	
Chapin et Cie., Rouen	certificate	Premont, Madame L., Paris	certificate
SEWING AND OTHER COTTONS.		BRACES AND GARTERS.	
Cartier, Bresson, Paris	certificate	Piault, A., Paris	certificate
Thiriez, Père et Fils, Paris	certificate		
CORSETS.		THREAD TISSUES FOR CURTAINS.	
Farcy et Oppenheim, Paris	certificate	Vadam, A., et Cie., Paris	certificate
ARTIFICIAL FEATHERS.		FELT HATS.	
Plantier, F., Paris	certificate	Lepaire, —, Paris	certificate

FOURTH ORDER OF MERIT.

FELT HATS.		ARTIFICIAL FLOWERS.	
Chanfreau, A., Paris	certificate	Marienval, G., et Cie., Paris	certificate
Provot Frères, Loire	certificate		
FELT AND PLUSH HATS.		SEWING AND OTHER COTTONS.	
Herzberg, B., Paris	certificate	Viarmé, Frings, et Cie., Paris	certificate

FIFTH ORDER OF MERIT.

TRIMMED BONNETS.	
Berthon, Madame, Paris	certificate

Sub-Jury.—BOOTS.

FIRST ORDER OF MERIT.

FACTORY BOOTS.			
Appert, A., Paris	silver	Huard, L., Paris	silver
Gervais, A., Paris	silver	Méliès, L. S., Paris	silver
Girard, A., Paris	silver	Pinet, F., Paris	silver

SECOND ORDER OF MERIT.

FACTORY BOOTS.		BOOT UPPERS.	
Cosson, ainé, et Delatour, Paris	certificate	Durand, Les Fils de L., Paris	certificate
Gaillard, L., Paris	certificate	Massemin et Durand, Paris	certificate
Hattat Frères, Paris	certificate	Prévot, J. M., Cariere et Fils, Paris	certificate
Lacroux, E., Paris	certificate		
Lemoine, A., Paris	certificate		

THIRD ORDER OF MERIT.

FACTORY BOOTS.			
Basset, A. L., Paris	certificate	Megret, E., Paris	certificate
Dubois, G., et Fils, Paris	certificate	Michel et Cie., St. Quentin, Aisne	certificate
Henriet, ainé, Paris	certificate		
		BOOT UPPERS.	
		Lamy, J. B., Paris	certificate

FOURTH ORDER OF MERIT.

BOOTS.			BOOT LASTS.
Roussel, Abbé, Paris	certificate	Renard, E., Paris	certificate

Jury Section XVI.—WORSTED AND WOOLLEN GOODS.**FIRST ORDER OF MERIT.**

WORSTED AND WOOLLEN FABRICS.			
Adnet, A., Sedan	gold	Lanne, Fils, ainé, et A. Pion, Elbeuf	gold
Allart, Rousseau, Fils et Cie., Roubaix	gold	Legrand, Les Fils de Thèophile, Paris	gold
Blazy Frères, Paris	gold	Pinon et Guerin, Paris	gold
Chambre de Commerce, Elbœuf	(1)	Sieber, H., Seydoux, et Cie., Paris	gold
Chambre de Commerce, Rheims	(1)	Vaillant et Veuve Pruvot, Cambria	gold
Dauphinot, Père et Fils, et Martin, Rheims	gold		
Dreyfus, Ed., Paris	gold		
Jacquot, Renesson, Ravaux et Cie., Paris	gold	SHAWLS.	
		Bréant, E., Paris	silver

SECOND ORDER OF MERIT.**WORSTED AND WOOLLEN FABRICS.**

Delattre, Jules, Père et Fils, Dorigny	certificate	Stavaux-Bonnaire et Fils, Paris	certificate
Hassebroucq et Cie., Commynes	certificate	Van Berghen et Cie., Paris	certificate

THIRD ORDER OF MERIT.**SHAWLS.**

Verdiere, E., et Lebis, Paris	certificate
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Jury Section XVII.—SILK AND LACE.**FIRST ORDER OF MERIT.**

RAW SILK.			
Arlès-Dufour et Cie., Lyons	silver		
SILK FABRICS.		LACE, NET, EMBROIDERY, AND TRIMMINGS.	
Bonnet, C. J., Les Petits Fils de, Lyons	silver	Babey et Cie., Calais	bronze
		Baboin, Aimé, Lyons	bronze
SILK PLUSH FOR HATS.		Dientegard, E. et E., Paris	bronze
Rendu, L., et Moise, Lyons	silver	Langlois, L., Paris	bronze
LACE.		Meunier et Cie., Paris	bronze
Broset-Heckel, Lyons	bronze	Moonen, Mme. L., Paris	bronze
Million et Servier, Lyons	bronze	Sarazin, Montfort et Cie., Paris	bronze
Permezel, L., et Cie., Lyons	bronze		

(1) Certificate equal to gold.

SECOND ORDER OF MERIT.

LACE, NET, EMBROIDERY, AND TRIMMINGS.		SILK FABRICS.	
Agnellet Frères, Paris	certificate	Audibert, M., et Cie., Lyons	certificate
Brochot, E., Paris	certificate	Béraud, J., et Cie., Lyons	certificate
Cazin, H., Calais	certificate	Rosset, A., Lyons	certificate
Naudé, G., Paris	certificate	Tapissier Frères, Lyons	certificate
Usine Cliff (Société), St. Quentin	certificate	SATINS.	
		Tournu Mayer Frères, Lyons	certificate

THIRD ORDER OF MERIT.

LACE, NET, EMBROIDERY, AND TRIMMINGS.		SILK FABRICS.	
Bloch, jun., Paris	certificate	Garnier-Lombard, Nismes	certificate
		Guinet, Antoine, et Cie., Lyons	certificate
		Ogier, Noyer et Cie., Lyons	certificate
		Permezel, L., et Cie., Lyons	certificate

FOURTH ORDER OF MERIT.

		SILK FABRICS.	
Charbin, Etienne, Lyons	certificate	Poncet, Fils et Cie., Lyons	certificate
Charvet, Vautheret et Cie, Lyons	certificate	Tyrade, Cesar, St. Etienne	certificate
Mauvernay Frères et Touchbeuf, Lyons	certificate		

Jury Section XVIII.—WEAPONS, &c.

FIRST ORDER OF MERIT.

SPORTING CARTRIDGES.		FOILS AND MASKS.	
Gaupillat, —, Paris	silver	Genique and Nicolas, Paris	bronze

Jury Section XIX.—PRODUCTS OF FORESTS.

THIRD ORDER OF MERIT.

EUROPEAN AND OTHER WOOD SPECIMENS.	
Moonen, L., Paris	certificate

Jury Section XX.—AGRICULTURAL PRODUCTS, NOT USED FOR FOOD.

FIRST ORDER OF MERIT.

GRASSES FOR FODDER.		CIGARETTE PAPERS.	
Vilmorin-Andrieux et Cie., Paris	silver	Hatterer, V. J., Paris	bronze
FLAX, HEMP.		DOWN.	
Vilmorin-Andrieux et Cie., Paris	silver	Le Bugle, Lapotrie	bronze

SECOND ORDER OF MERIT.

FLAX, HEMP, AND FODDER.	
Davaine, J., Paris	certificate

Jury Section XXIII.—LEATHER AND SKINS.

FIRST ORDER OF MERIT.

PATENT ENAMELLED LEATHER.		FRENCH CALF.	
Arthus, F., Paris	silver	Durand, L., Les Fils de, Paris	silver
Forster, J. H., Paris	silver		
GLAZED KID.		FANCY LEATHERS.	
Basset, A., Paris	silver	Giraud, Jeune, Paris	silver
		Rochier, A., et Fils, Paris	silver
PATENT AND IMITATION LEATHERS.		WAXED AND RUSSET CALF.	
Bayvet et Petitpont, Paris	silver	Schmoll, Dreyfus et Cie., Paris	silver
		Meyzonnier, E., et Fils, Ardèche	silver

SECOND ORDER OF MERIT.

SOLE LEATHER.		CALF-KID.	
Clave, Bertrand, Paris	certificate	Marchand, Père et Fils, Paris	certificate
CALF AND FANCY LEATHER.		WAXED AND RUSSET CALF.	
Gasquel et Donzel, Paris	certificate	Massemmin et Durand, Paris	certificate
		Prevost, Carriere et Fils, Paris	certificate

THIRD ORDER OF MERIT.

WAXED CALF.	
Wedeles et Cie., Paris	certificate

Sub-Jury.—FURS.

FIRST ORDER OF MERIT.

FUR MANTLES AND FUR GOODS.	
Grebert, Borgnis, Paris	silver Revillon Frères, Paris
	silver

THIRD ORDER OF MERIT.

EXCELLENCE OF DRESSING OF RABBIT-SKINS.	
Lorre, —, Paris	certificate

Jury Section XXIV. and XXV.—AGRICULTURAL IMPLEMENTS.

FIRST ORDER OF MERIT.

CONFECTIONERY MACHINERY.		ICE-MAKING MACHINE.	
Combet, J., Paris	silver	Mignon et Rouart, Paris	silver
Lecornu, A., Paris	silver		
PATENT FLOUR DRESSER.		DISTILLING APPARATUS.	
Dumont-Carpentier, Gisors	silver	Savalle, Fils et Cie., Paris	silver
SEED AND MANURE DRILLS.		INCUBATOR.	
Leclère, L., Rouen	silver	Voitellier, —, Nantes	silver
WINE PRESSES.		MILLSTONES.	
Mabille Frères, Amboise	silver	Lallier, Vernot et Cie., La Fêrté sous Jouarre	bronze
GRAPE MILL.			
Mabille Frères, Amboise	silver		

SECOND ORDER OF MERIT.

WASHERS AND PULPERS.	
Sénamaud et Cie., Bordeaux	certificate

Jury Section XXVI.—MACHINES, MACHINE TOOLS.**FIRST ORDER OF MERIT.****HAND FIRE-PUMPS.**

Noel, —, Paris

silver

SECOND ORDER OF MERIT.**PLATFORM MACHINES.**

Paupier, Léonard, Paris

certificate

**STAND SCALES AND COUNTER
MACHINES OF ALL DESCRIPTIONS.**

Paupier, Léonard, Paris

certificate

THIRD ORDER OF MERIT.**MODEL OF TRAVELLING CRANE.**

Couste, J.

certificate

PORTABLE FORGES.

David, A., Ardennes

certificate

VERTICAL ENGINES, WITH BOILER.

Durenne, J. F., Seine

certificate

Jury Section XXVII.—CARRIAGES.**FIRST ORDER OF MERIT.****VICTORIA PHAETON.**

Binder Frères, Paris

silver

CARRIAGE SPRINGS.

Kuhn, E., Paris

bronze

BOLTS, SPRINGS, AXLES.

Hanzer, J., Seine

bronze

IRON WHEELBARROWS AND WAGGONS.

Paupier, Léonard, Paris

bronze

SECOND ORDER OF MERIT.**OPEN CURRICLE PHAETON.**

Binder Frères, Paris

certificate

STANHOPE HEAD PHAETON.

Jeanteaud, C., Paris

certificate

VICTORIA PHAETON.

Desouches, —, Paris

certificate

DOG CART, VARNISHED.

Jeanteaud, C., Paris

certificate

**Jury Section XXVIII.—RAILWAYS, MINING, AND
METALLURGY.****FIRST ORDER OF MERIT.****ENAMELLED PLATES.**

Bayeux, A., Paris

silver

HOLLOWARE AND STAMPED GOODS.

Japy Frères et Cie., Paris

silver

Petitjean et Fils, Paris

silver

NICKEL AND ITS ALLOYS.

Christofle et Cie., Paris

silver

TRAMWAY RAILS.

Paupier, L., Paris

silver

IRON CASTINGS.

Chappée, A., Sarthe

silver

NICKEL.

Société le Nickel, Paris

silver

WIRE NETTING.

Sohier et Cie., Paris

silver

SCREWS, BOLTS, AND NAILS.

Gallais, —, Paris

silver

PERFORATED METAL SHEETS AND

Lechanteur, H., Brezol et Cie., Paris

silver

WIRE WORK.

Maré et Gérard Frères, Bogny Braux

silver

Tangre, E., Paris

silver

ATLAS OF THE PRINCIPAL FOSSILS
FROM THE FORMATION.Bayle, E., Engineer-in-Chief of Mines,
Paris

(3)

MODEL OF BUILDERS' LIFT.

Couste, J., Avenue Marceau

bronze

SPOONS.

Claude, E., Paris

bronze

SYNTHETIC STUDIES OF EXPERI-
MENTAL GEOLOGY.Daubrée, —, Member of Academy of
Sciences, Paris

bronze

NOTES EXPLANATORY OF THE DE-
TAILED GEOLOGICAL CHART OF
FRANCE, MICROGRAPHIC MINE-
RALOGY.Fouqué, F., Professor of Geology in the
College of France, Paris

(3)

Lévy, M., Engineer of Mines, Paris

(3)

PLANS, MAPS.

Ministère des Travaux Publics, Paris

(3)

VEGETABLE FOSSILS OF THE COAL
FORMATIONS.Zeiller, R., Engineer of the National
Corps of Mines, Paris

(3)

GEOLOGICAL PUBLICATIONS, CHARTS.
National School of Mines, Paris

(3)

SECOND ORDER OF MERIT.

MODEL OF A SILT WAGGON.

Suc, E., Paris

certificate

THIRD ORDER OF MERIT.

BAND SAWS.

Dugoujon, —, Paris

certificate

FOURTH ORDER OF MERIT.

FIRE AND BURGLAR PROOF SAFES.

Paublan, —, Paris

certificate

HONOURABLE MENTION.

STUDY OF THE ALIGNMENTS IN THE
GEOGRAPHICAL CHART OF THE
HAUT MAREE.De Chancourtois, B., Inspector-
General of Mines, Professor of
Geology at the School of Mines,
Paris

certificate

STRATIGRAPHIC STUDIES.

De Chancourtois, B., Inspector-
General of Mines, Professor of
Geology at the School of Mines,
Paris

certificate

GNOMONIC OCTO PLANISPHERE.

De Chancourtois, B., Inspector-
General of Mines, Professor of
Geology at the School of Mines,
Paris

certificate

GNOMONIC OCTO OF GRAPHIC AND
GEOLOGICAL WORKS.De Chancourtois, B., Inspector-
General of Mines, Professor of
Geology at the School of Mines,
Paris

certificate

CO-ORDINATION OF MINERAL
DEPOSITS.De Chancourtois, B., Inspector-
General of Mines, Professor of
Geology at the School of Mines,
Paris

certificate

WORK ON THE PENTAGONAL SYSTEM
OF MONS. ELEE DE BEAUMONT.De Chancourtois, B., Inspector-
General of Mines, Professor of
Geology at the School of Mines,
Paris

certificate

GRAPHIC SPHERODESY.

De Chancourtois, B., Inspector-
General of Mines, Professor of
Geology at the School of Mines,
Paris

certificate

GEOLOGICAL ADJUSTMENTS.

De Chancourtois, B., Inspector-
General of Mines, Professor of
Geology at the School of Mines,
Paris

certificate

IMITATIONS OF MOUNTAIN CHAINS
AND OF VOLCANIC CHASMS.De Chancourtois, B., Inspector-
General of Mines, Professor of
Geology at the School of Mines,
Paris

certificate

Sub-Jury.—RAILWAY APPLIANCES.**FIRST ORDER OF MERIT.**

RAILWAY CARRIAGE SPRINGS. Kuhn, E., Paris	silver	CAST-IRON RAILWAY CHAIR. Chappée, A., Sarthe	silver
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HONOURABLE MENTION.

RAILWAY SIGNAL, MOVED BY ELECTRICITY. Bazin, E., Brest	certificate
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Jury Section XXIX.—TELEGRAPHIC APPARATUS, &c.**FIRST ORDER OF MERIT.**

ELECTRIC INSTRUMENTS. Ducretet, —	gold	PHONOGRAPH AND ELECTRIC PEN. Hardy, E., Paris	silver
ELECTRIC TARGET AND INDICATOR. Boivin et Cie., Paris	silver		

SECOND ORDER OF MERIT.

SUBMARINE CABLE. Rattier et Cie., Paris	certificate	PNEUMATIC BELLS, INDICATORS, AND PUSHES. Walcker, —	certificate
TELEPHONES. Walcker, —	certificate		

Jury Section XXX.—NAVIGATION.**FIRST ORDER OF MERIT.**

CANVAS. Joubert, Bonnaire et Cie., Angers	silver	SMALL LINES, TWINES, SASH CORDS. Le Coustellier, C.	silver
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Jury Section XXXI. and XXXII.—CEREALS, CONDIMENTS, AND STIMULANTS.**FIRST ORDER OF MERIT.**

CHOCOLATE CONFECTIONERY. Choquart, C., Paris	silver	CHOCOLATE, FRENCH. Lombart, —, Paris	silver
Lombart, —, Paris	silver		
CHOCOLATE POWDER. Choquart, C., Paris	silver	CRYSTALLISED FRUITS. Quinette et Cie., Clermont-Ferrand	silver
OLIVE OIL. Plagnol, de Jammes, Marseilles	silver	AGRICULTURAL SEEDS. Vilmorin-Andrieux et Cie., Paris	silver
Isnard, P., Nice	silver	TRUFFLES. Bonfils Frères et Cie., Paris	bronze
BEET SUGARS. Druelle, Payart, Cocquebert et Cie., Essigny	silver	PRESERVED VEGETABLES. Biardot, A., Paris	bronze
		Jacquier, J. B., Nantes	bronze
		Prevot, C., et Cie., Paris	bronze

MACCARONI, VERMICELLI, AND PASTES.		TOMATO CONSERVE.	
Castagliola, —, Algeria	bronze	Louit Frères, Bordeaux	bronze
CONFITURE RHUBARB.		FRENCH MUSTARD.	
Capgrand-Mothes, A., Paris	bronze	Louit Frères, Bordeaux	bronze

SECOND ORDER OF MERIT.

CHOCOLATE, FRENCH.		FRUITS PRESERVED IN SYRUP.	
Choquart, C., Paris	certificate	Chenu, P., Paris	certificate
CRYSTALLISED FRUITS.			
Combet et Cie., Paris	certificate		

FOURTH ORDER OF MERIT.

MACCARONI, VERMICELLI, AND PASTES.	
Louit Frères, Bordeaux	certificate

Jury Section XXXIII.—MEAT AND FISH.

SECOND ORDER OF MERIT.

TRUFFLED LIVER SAUSAGE.			
Jacquier, J. B., Nantes	certificate	Société Anonyme d'Alimentation, Seine	certificate

THIRD ORDER OF MERIT.

SARDINES IN OIL, AND PRESERVED ANCHOVIES.		TINNED SARDINES.	
Louit Frères, Bordeaux	certificate	Marquet Frères, Port Louis, Morbihan	certificate
SARDINES IN OIL, A LA TOMATE.			
Maré, Ch., Nantes	certificate		

Jury Section XXXIV.—WINES.

FIRST ORDER OF MERIT—GOLD.

Bouchard, Père et Fils ..	Beaune ..	Montrachet Bouchard	Vintage 1865
Bouchard, Père et Fils ..	" ..	Chambertin	" 1874
Brenôt, V., Barthel et Cie.	Dijon ..	Musigny	" 1870
Brenôt, V., Barthel et Cie.	" ..	Nuits	" 1874
Clicquot, Eugene ..	Rheims ..	Champagne, extra dry	" not given
Cruse, Fils et Frères ..	Bordeaux ..	Grand Vin Château Yquem	" "
Dubois, Paul, et Cie. ..	" ..	Château Lafite	" "
Durand, Dassier ..	Paris ..	" Rausan Sigla	" 1875
Durand, Dassier ..	" ..	" "	" 1874
Lalande, A., et Cie. ..	Bordeaux ..	" Peyxotto Rieussées	"
		Sauterne	" 1869
Lalande, A., et Cie. ..	" ..	" Lafurie Sauterne	" "
Lalande, A., et Cie. ..	" ..	" Pontac de Reyne	"
		Sauterne	" "
Lalande, A., et Cie. ..	" ..	La Tour Blanche Sauterne	" "
Lalande, A., et Cie. ..	" ..	Château Yquem	" 1874
Lalande, A., et Cie. ..	" ..	" Rausan Margaux	" 1876
Preller, G., et Cie. ..	" ..	" Yquem	" 1864
Preller, G., et Cie. ..	" ..	" Smith Haut Lafite	" 1869
Roederer, T., et Cie. ..	Rheims ..	Carte blanche dorée	" not given
Vergnette-Lamotte ..	Beaune ..	Pommard	" 1874

SECOND ORDER OF MERIT—CERTIFICATE.

Adet, Seward et Cie. ..	Bordeaux ..	Beaune Mouton ..	Vintage 1875
Bouchard, Père et Fils ..	Beaune ..	Pommard ..	" "
Bourgeois, A., et Lyeon ..	" ..	Chambertin ..	" not given
Brenôt, V., Barthel et Cie. ..	Dijon ..	Volnay ..	" 1870
Cruse, Fils et Frères ..	Bordeaux ..	Château Leoville ..	" 1874
Cruse, Fils et Frères ..	" ..	" Lafite ..	" "
Dubois, Paul, et Cie. ..	" ..	Sauterne ..	" not given
Dubois, Paul, et Cie. ..	" ..	Barsac ..	" "
Durand, Dassier ..	Paris ..	Château Rausan Sigla ..	" 1868
Durand, Dassier ..	" ..	" ..	" 1870
Fisse, Thirion et Cie. ..	Rheims ..	Champagne ..	" not given
Goulet, Henry ..	" ..	Carte blanche ..	" "
Guichard, Potheret, et Fils ..	Chalons sur Saône ..	Meursault ..	" 1869
Guichard, Potheret, et Fils ..	" ..	Nuits ..	" "
Guillemot, P. ..	Dijon ..	Chambertin ..	" 1864
Krug et Cie. ..	Rheims ..	Champagne, private and ..	" not given
		cuvée ..	
Lalande, A., et Cie. ..	Bordeaux ..	Sauterne ..	" "
Lalande, A., et Cie. ..	" ..	Château Guiraud Sauterne ..	" 1874
Lalande, A., et Cie. ..	" ..	" Rabaut ..	" "
Lalande, A., et Cie. ..	" ..	" Vedrines Barsac ..	" "
Lalande, A., et Cie. ..	" ..	" Yquem Crème de ..	" 1864
		Tête ..	
Lalande, A., et Cie. ..	" ..	" Leoville Poyferre ..	" 1874
Lalande, A., et Cie. ..	" ..	" " Grand Puy ..	" not given
		Ducasse ..	
Lalande, A., et Cie. ..	" ..	" Margaux ..	" 1870
Lalande, A., et Cie. ..	" ..	" Marquis de Terme ..	" 1875
		Margaux ..	
Lalande, A., et Cie. ..	" ..	" Lafite ..	" "
Latour, L. ..	Beaune ..	Montrachet ..	" not given
Preller, G., et Cie. ..	Bordeaux ..	Château Climeens ..	" 1869
Preller, G., et Cie. ..	" ..	" D'Arsac ..	" 1874
Preller, G., et Cie. ..	" ..	" Pomys ..	" 1870
Preller, G., et Cie. ..	" ..	" Leoville ..	" "
Preller, G., et Cie. ..	" ..	" Margaux ..	" "
Perrier, J., Fils, et Cie. ..	Chalons sur Marne ..	Bouzy cabinet ..	" not given
Roy, Gustave ..	Dijon ..	Château D'Issan ..	" "
Vergnette-Lamotte ..	Beaune ..	Genevrières ..	" 1867

THIRD ORDER OF MERIT—CERTIFICATE.

Adet, Seward, et Cie ..	Bordeaux ..	Château Lalagune ..	Vintage 1869
Bocquet, L. ..	Beaune ..	Corton ..	" not given
Bouchard, Père et Fils ..	" ..	Beaune ..	" 1877
Bouchard, Père et Fils ..	" ..	Clos de Vougeot ..	" 1869
Bouchard, Père et Fils ..	" ..	Bourgogne Mousseux ..	" not given
Bouchard, Père et Fils ..	" ..	Volnay Mousseux ..	" "
Bouchard, Père et Fils ..	" ..	Bourgogne Mousseux Imperial ..	" "
Bouchard, Père et Fils ..	" ..	Montrachet Bouchard ..	" 1869
Bourgeois, A., et Lyeon ..	" ..	Meursault ..	" not given
Brenôt, V., Barthel et Cie. ..	Dijon ..	Montrachet ..	" 1874
Brenôt, V., Barthel et Cie. ..	" ..	Meursault ..	" 1870
Cruse, Fils et Frères ..	Bordeaux ..	Château Giscours ..	" 1874
Cruse, Fils et Frères ..	" ..	" Laujac ..	" "
Cruse, Fils et Frères ..	" ..	" Yquem ..	" 1877
Cruse, Fils et Frères ..	" ..	" Poutet Câtret ..	" 1874
Dubois, P., et Cie. ..	" ..	Puillac ..	" not given
Dubois, P., et Cie. ..	" ..	Cotes St. Eulalie ..	" "
Durand, Dassier ..	" ..	Château Rausan Sigla ..	" 1868
Durand, Dassier ..	" ..	" ..	" 1870
Durand, Dassier ..	" ..	" ..	" 1875
Escande, E. ..	Toulouse ..	Marquis de Villaudrie ..	" not given
Gé-Dufaut et Cie. ..	Château de Pierry ..	Champagne, extra dry ..	" 1873
Goulet, H. ..	Rheims ..	Dry Verzeney ..	" not given
Goulet, H. ..	" ..	Champagne, extra dry ..	" "

Grellet, C.	Algeria ..	Muscat	Vintage 1875
Grellet, C.	" ..	White wine	" 1872
Guichard, Potheret, et Fils	Chalons sur Saône	Montrachet	" 1869
Guichard, Potheret, et Fils	" ..	Chambertin	" "
Guichard, Potheret, et Fils	" ..	Montagny	" 1874
Hautberg, A.	Beaune ..	Beaune Clos du Roi	" not given
Labouré-Gontard ..	Nuits ..	Romanée Mousseux	" "
Lalande, A., et Cie. ..	Bordeaux ..	Château Lacoste Climens	"
		Barsac	" 1870
Lalande, A., et Cie. ..	" ..	Cérons	" not given
Lalande, A., et Cie. ..	" ..	Haut Sauterne	" "
Lalande, A., et Cie. ..	" ..	Château Doisy Barsac	" 1874
Lalande, A., et Cie. ..	" ..	" Lafite	" "
Lalande, A., et Cie. ..	" ..	" Latour de mons	" 1876
		Soussans	"
Lalande, A., et Cie. ..	" ..	" Latour	" 1870
Lalande, A., et Cie. ..	" ..	" Brown Cantenac	" 1874
Lalande, A., et Cie. ..	" ..	" Brown Cantenac	" 1875
Lalande, A., et Cie. ..	" ..	" Citran Avenau	" 1874
Largeteaux	" ..	Claret	" 1875
Latour, L.	Beaune ..	Chablis	" not given
Preller, G., et Cie. ..	Bordeaux ..	Château Milon Dupart	" 1875
Preller, G., et Cie. ..	" ..	" Le Crock	" 1870
Preller, G., et Cie. ..	" ..	" Laburie	" 1876
Preller, G., et Cie. ..	" ..	" Granpuy Lacask	" 1869
Preller, G., et Cie. ..	" ..	" Pontet Carret	" 1870
Preller, G., et Cie. ..	" ..	" Mouton D. Armailhacq	" 1875
Preller, G., et Cie. ..	" ..	" Lafon Rochet	" 1870
Preller, G., et Cie. ..	" ..	" Mouton	" 1869
Preller, G., et Cie. ..	" ..	" La Rose	" 1875
Regnier, Jules	Dijon ..	Volnay Santenot	" 1870
Regnier, Jules	" ..	Chablis	" "
Roy, Gustave	Bordeaux ..	Château D'Issan	" not given
Vergnette-Lamotte ..	Beaune ..	Pommard	" 1875

FOURTH ORDER OF MERIT—CERTIFICATE.

Allenet	Angoulême ..	Wine king	Vintage not given
Berger, Vve.	Bordeaux ..	Château Brave Medoc	" 1870
Blouquier, E., et Fils ..	Montpellier ..	Muscat de Frontignac	" not given
Bouchard, Père et Fils ..	Beaune ..	Clos de la Mousse	" 1875
Bourgeois et Lyeon ..	Beaune ..	Volnay	" not given
Brenôt, V., Barthel et Cie.	Dijon ..	Romanée	" 1870
Brenôt, V., Barthel et Cie.	" ..	Beaune	" 1874
Brenôt, V., Barthel et Cie.	" ..	Aloxe	" 1870
Brenôt, V., Barthel et Cie.	" ..	Santenot	" 1874
Brenôt, V., Barthel et Cie.	" ..	Mercury	" "
Brenôt, V., Barthel et Cie.	" ..	Monthelic	" "
Brenôt, V., Barthel et Cie.	" ..	Pommard	" "
Brenôt, V., Barthel et Cie.	" ..	Chambertin	" "
Clouzet, F.	Bordeaux ..	Château Cazalet Haut Pestac	" 1870
Clouzet, F.	" ..	" " "	" 1874
Cruse, Fils et Frères ..	" ..	" La Rose	" "
Cruse, Fils et Frères ..	" ..	" Laussac	" "
Cruse, Fils et Frères ..	" ..	" Margaux	" 1868
Dellard, V.	Lunée ..	Muscat	" not given
Dubois, Paul, et Cie. ..	Bordeaux ..	Château Larose	" "
Dubois, Paul, et Cie. ..	" ..	" de Sans	" "
Dubois, Paul, et Cie. ..	" ..	Graves	" "
Ferand, Elie	Segonjac ..	Vin Rouge Recolte	" 1869
Figaro, A.	Medea, Algiers ..	Port wine	" 1879
Grellet, C.	Algeria ..	White wine	" 1873
Grellet, C.	" ..	"	" 1874
Guichard, Potheret, et Fils	Chalons sur Saône	Givry	" "
Guichard, Potheret, et Fils	" ..	Boucherrotes	" 1869
Guichard, Potheret, et Fils	" ..	Corton	" "
Guichard, Potheret, et Fils	" ..	Volnay	" 1874

		Chalons sur Saône		Chablis	Vintage 1874	
Guichard, Potheret, et Fils					"	not given
Guichard, Potheret, et Fils					"	1876
Guillemot, P. ..	..	Dijon ..	..	Clos de Vougeôt	"	1874
Guillemot, P. ..	..	" ..	..	Chambertin	"	1870
Guillemot, P. ..	..	" ..	..	Clos de Vougeôt	"	1865
Guillemot, P. ..	..	" ..	..	Chambertin	"	"
Guillemot, P. ..	..	" ..	..	Clos de Vougeôt	"	not given
Hautberg, A. ..	..	Beaune	..	Chambertin Clos de Beze	"	"
Hautberg, A. ..	..	"	..	Chablis	"	"
Labouvé-Gontard	..	Nuits ..	..	Clos de Vougeôt Mosseux	"	"
Lalande, A., et Cie.	..	Bordeaux	..	Paullac Medoc	"	"
Lalande, A., et Cie.	..	"	..	Château Mouton d'Armailhac	"	1870
Lalande, A., et Cie.	..	"	..	" d'Arsac	"	"
Lalande, A., et Cie.	..	"	..	" Margaux	"	1874
Lalande, A., et Cie.	..	"	..	Brown Cantenac	"	1870
Lalande, A., et Cie.	..	"	..	Leoville Poyferre vin des	"	"
				Princes		
Lalande, A., et Cie.	..	"	..	Château Dulce St. Julien	"	1874
Lalande, A., et Cie.	..	"	..	" Beaumont Cusac	"	1875
Lalande, A., et Cie.	..	"	..	Leoville Poyferre vin des	"	"
				Princes		
Lalande, A., et Cie.	..	"	..	Barsac	"	not given
Lalande, A., et Cie.	..	"	..	Château Lagrand	"	1876
Lalande, A., et Cie.	..	"	..	" Lafurie Crème	"	"
Largeteaux	..	"	..	Claret	"	1874
Largeteaux	..	"	..	"	"	1876
Latour, L.	..	Beaune	..	Meursault	"	not given
Noetinger, T.	..	Douera, Algiers ..	..	Red wine	"	1877
Noetinger, T.	..	Douera, Algeria ..	..	"	"	1878
Perrier, J., Fils et Cie.	..	Chalonssur Marne	..	Sillery sec non Mousseux	"	not given
Perrier, J., Fils et Cie.	..	"	..	Champagne, extra quality	"	"
Polack, C.	..	Dijon ..	..	Perumaro	"	"
Preller, G., et Cie.	..	Bordeaux	..	Château Calons	"	1875
Preller, G., et Cie.	..	"	..	" Terte Lagrange	"	"
Preller, G., et Cie.	..	"	..	" Mouton	"	1870
Preller, G., et Cie.	..	"	..	" Rausan	"	"
Preller, G., et Cie.	..	"	..	" Latour	"	"
Preller, G., et Cie.	..	"	..	" Giraud	"	1867
Regnier, Jules	..	Dijon ..	..	Corlon	"	1870
Regnier, Jules	..	" ..	..	La Tâche Romanée	"	1865
Regnier, Jules	..	" ..	..	Beaune	"	1870
Regnier, Jules	..	" ..	..	Chambertin	"	"
Regnier, Jules	..	" ..	..	Vougeôt Clos Regnier	"	not given
Regnier, Jules	..	" ..	..	Clos Blavee de Vougeôt	"	1865
Regnier, Jules	..	" ..	..	" Blanc de Vougeôt et	"	not given
				Mosseux		
Saleilles-Clerget	..	Beaune	..	Beaune	"	"
Saleilles-Clerget	..	" ..	..	Pouilly-Vuissey	"	"
Thivaud, M.	..	Medea, Algiers ..	..	Port wine	"	1878
Thivaud, M.	..	"	..	Red port wine	"	1879
Thivaud, M.	..	"	..	White wine	"	1876
Tournie, J.	..	Algiers	..	"	"	1879
Vergniaud	..	Bordeaux	..	Château Palmer	"	1869

FIFTH ORDER OF MERIT—CERTIFICATE.

				Vintage not given	
Bernard, C.	..	Beaune	..	Carton	"
Boisset, L.	..	Algiers	..	Red wine	" 1878
Bouchard, Père et Fils	..	Beaune	..	Meursault	" 1870
Bouchard, Père et Fils	..	"	..	Monthelie	" 1876
Bouchard, Père et Fils	..	"	..	Mercurey	" 1875
Bouchard, Père et Fils	..	"	..	Thorin	" 1876
Bouchard, Père et Fils	..	"	..	Romanée	" 1874
Brenôt, V., Barthel et Cie.	..	Dijon ..	..	Moulin a Vent	"
Calmet	..	Medea, Algiers	..	White wine	" 1878
Calmet	..	"	..	Burgundy	"
Daudet, J.	..	Algiers	..	Burgundy	" 1876

Fleury, C.	Algiers ..	Red wine	Vintage 1878
Grellet, C.	Kouba, Algiers ..	Muscat	" 1875
Grellet, C.	" ..	Red wine	" 1877
Grellet, C.	" ..	"	" 1878
Guichard, Potheret, et Fils	Chalons sur Saône	Corton	" 1869
Guichard, Potheret, et Fils	"	Chalons sur Saône	" 1874
Guichard, Potheret, et Fils	"	Santenay	" "
Guichard, Potheret, et Fils	"	Chambertin	" "
Guichard, Potheret, et Fils	"	Savigny	" "
Guichard, Potheret, et Fils	"	Nuits	" "
Guichard, Potheret, et Fils	"	Clos de Vougeôt	" 1869
Guichard, Potheret, et Fils	"	Richebourg	" "
Guichard, Potheret, et Fils	"	Chambertin	" 1870
Guichard, Potheret, et Fils	"	Mercerey	" 1874
Guichard, Potheret, et Fils	"	Chambertin	" 1875
Guillemot, P.	Dijon ..	Clos de Vougeôt	" 1877
Guillemot, P.	" ..	Chambertin	" "
Guillemot, P.	" ..	Clos de Vougeôt	" 1875
Guillemot, P.	" ..	Chambertin	" 1870
Guillemot, P.	" ..	Clos de Vougeôt	" 1869
Guillemot, P.	" ..	Chambertin	" "
Lalande, A., et Cie. ..	Bordeaux ..	St. Estephe	" not given
Lalande, A., et Cie. ..	" ..	St. Julien	" "
Lalande, A., et Cie. ..	" ..	Château Mouton d'Armailhic	" 1876
Montoy, L.	Beaune ..	Clos des Avaux	" 1874
Preller, G., et Cie. ..	Bordeaux ..	Château Lafite	" 1870
Perrier, J., Fils et Cie. ..	Chalons sur Marne	Champagne	" 1865
Polack, C.	Dijon ..	Volnay	" not given
Polack, C.	" ..	Nuits	" "
Regnier, Jules	" ..	Musigny	" 1870
Regnier, Jules	" ..	Macon	" "
Saillies-Clerget	Beaune ..	Mercurey	" not given
Thivaud, M.	Medea, Algiers ..	White wine	" 1877
Tournier, J.	Algiers ..	Burgundy	" 1878

Jury Section XXXIVa.—SPIRITS.

FIRST ORDER OF MERIT.

BRANDY IN CASE, VIEUX COGNAC SUPERIEUR.
Dubois, Paul, et Cie., Bordeaux silver

SECOND ORDER OF MERIT.

BRANDY IN CASE, OLD COGNAC*.	COGNAC, 1835.
Gomant, C., et Cie., Cognac certificate	Sazerac de Forge et Fils, Cognac certificate
BRANDY IN CASE, GRAND FINE CHAMPAGNE.	COGNAC, 1855.
Croizet, B. Leo., Cognac certificate	Sazerac de Forge et Fils, Cognac certificate

THIRD ORDER OF MERIT.

BRANDY IN CASE, EAU DE VIE VIELLE.	BRANDY IN CASE, COGNAC SUPERIEUR.
Robin, Jules, et Cie., Cognac certificate	Robin, Jules, et Cie., Cognac certificate
Robin, Jules, et Cie., Cognac certificate	
BRANDY IN CASE.	BRANDY IN CASE, FINE CHAMPAGNE, V.S.O.P.
Dubois Frères et Cagnion, Bordeaux certificate	Agard, C., et Cie., Cognac certificate
Dubois Frères et Cagnion, Bordeaux certificate	
BRANDY IN CASE, COGNAC, GRAND CHAMPAGNE.	BRANDY IN CASE, GRAND FINE CHAMPAGNE.
Dubois, Paul, et Cie., Bordeaux certificate	Croizet, B. Leo., Bordeaux certificate

BRANDY IN CASE, COGNAC.
Sazerac de Forge et Fils, Cognac certificate

BRANDY IN CASE, No. 1 COGNAC.
Associated Vineyard and Cultiva-
tion Co., Cognac certificate

Associated Vineyard and Cultiva-
tion Co., Cognac certificate
Associated Vineyard and Cultiva-
tion Co., Cognac certificate

BRANDY IN CASE, FINE CHAMPAGNE.
Meukow, A. C., et Cie. certificate

FOURTH ORDER OF MERIT.

BRANDY IN CASE, EAU DE VIE VIELLE
Robin, Jules, et Cie., Cognac certificate

BRANDY IN CASE, COGNAC SUPERIEUR.
Sazerac de Forge et Fils, Cognac certificate

BRANDY IN CASE, FINE CHAMPAGNE*.
Agard, C., de Nard et Cie., Cognac certificate

BRANDY IN CASE, FINE CHAMPAGNE**.
Agard, C., de Nard et Cie., Cognac certificate

BRANDY IN CASE, FINE CHAMPAGNE,
V.S.O.
Agard, C., de Nard et Cie., Cognac certificate

BRANDY IN CASE, FINE CHAMPAGNE,
V.O.
Agard, C., de Nard et Cie., Cognac certificate

BRANDY IN CASE, FINE OLD BRANDY.
Bruchaut, C., et Cie., Gondrin certificate

BRANDY IN CASE, GRANDE FINE
CHAMPAGNE.
Croizet, B. Leo., Bordeaux certificate
Croizet, B. Leo., Bordeaux certificate
Meukow, A. C., et Cie., Cognac certificate

BRANDY IN CASE, COGNAC, FINE
CHAMPAGNE.
Dubois, Paul, et Cie., Bordeaux certificate

BRANDY IN CASE, OLD COGNAC.
Martin, F. L., et Cie., Surgères certificate

BRANDY IN CASE, COGNAC DE
MAINJON.
Mainjon, —, Cognac certificate

BRANDY IN CASE, FINE OLD
CHAMPAGNE.
Meukow, A. C., et Cie., Cognac certificate

BRANDY IN CASE, COGNAC.
Meukow, A. C., et Cie., Cognac certificate

BRANDY IN CASE, EAU DE VIE.
Robin, Jules, et Cie., Cognac certificate
Robin, Jules, et Cie., Cognac certificate
Robert, A., Aire sur l'Adour certificate
Robert, A., Aire sur l'Adour certificate

BRANDY IN CASE, COGNAC.
Robin, Jules, et Cie., Cognac certificate
Robin, Jules, et Cie., Cognac certificate

BRANDY IN CASE, COGNAC **.
Sazerac de Forge et Fils, Cognac certificate

COGNAC SUPERIEUR.
Sazerac de Forge et Fils, Cognac certificate

FIFTH ORDER OF MERIT.

BRANDY IN CASE.

Agard, C., de Nard et Cie., Cognac certificate
Bruchaut, C., et Cie., Gondrin certificate
Bruchaut, C., et Cie., Gondrin certificate
Croizet, B. Leo., Bordeaux certificate
Dubois Frères et Cagnion, Bordeaux certificate
Dubois Frères et Cagnion, Bordeaux certificate

Dubois Frères et Cagnion, Bordeaux certificate
Gomant, C., et Cie., Paris certificate
Robin, Jules, et Cie., Cognac certificate
Robin, Jules, et Cie., Cognac certificate
Sazerac de Forge et Fils, Cognac certificate

Jury Section XXXIVb.—VERMOUTH WINES.

THIRD ORDER OF MERIT.

Bessède Fils, Marseilles certificate | Chapuis et Cie., Lyons certificate

Jury Section XXXIVc.—CORDIALS AND LIQUEURS.

FIRST ORDER OF MERIT.

CURACOA.		PEPPERMINT.	
Cusenier, E., Fils et Cie., Paris	silver	Cusenier, E., Fils et Cie., Paris	bronze
Galland et Neveu, Vienne	silver	Escande, E., Toulouse	bronze
MARASCHINO.		Escande, E., Toulouse	bronze
Delizy et Doisteau Fils, Paris	silver	Escande, E., Toulouse	bronze
KUMMEL.		EAU DE VICHY (MINERAL WATERS).	
Cusenier, E., Fils et Cie., Paris	bronze	Cie. des Eaux Minerales de Vichy,	
VANILLE.		Cusset-Vichy	bronze
Chapuis et Cie., Lyons	bronze	ALCOHOLIC PEPPERMINT.	
Escande, E., Toulouse	bronze	De Ricqlès, H., Paris	bronze
PRUNELLE.		CREME DE NOYEAU.	
Chapuis et Cie., Lyons	bronze	Fourgeaud et Lacoste, Périgueux	bronze
BITTERS.		Fourgeaud et Lacoste, Périgueux	bronze
Bardinet, —, Limoges	bronze	MISCELLANEOUS LIQUEURS.	
Bessède Fils, Marseilles	bronze	Chapuis et Cie., Lyons	bronze
Chapuis et Cie., Lyons	bronze	ANISETTE.	
Fourgeaud et Lacoste, Périgueux	bronze	Marchand Frères, Paris	bronze
FLEUR MOUSSEUSE (LIQUEUR).		Robert, A., Aire sur l'Adour	bronze
Dethan, E., Paris	bronze	MINERAL WATERS.	
SYRUPS.		Cie. du Pestrin, Ardèche	bronze
Delizy et Doisteau Fils, Pantin	bronze		

SECOND ORDER OF MERIT.

CURACOA.		PEPPERMINT (VERTE).	
Bessède Fils, Marseilles	certificate	Escande, E., Toulouse	certificate
Chapuis et Cie., Lyons	certificate	CREME DE CACAO.	
Chapuis et Cie., Lyons	certificate	Fourgraud et Lacoste, Périgueux	certificate
BITTERS.		FRAMBOISE.	
Binart, E., et Fils, Braine	certificate	Delizy et Doisteau Fils, Paris	certificate
Chevrier, E., Havre	certificate	ELIXIRS.	
PRUNELLE.		Galland et Neveu, Vienne	certificate
Cusenier, Fils aîné et Cie., Paris	certificate	MISCELLANEOUS LIQUEURS.	
MISCELLANEOUS CORDIALS.		Maupetit, A., Limoges	certificate
Cusenier, E., et Fils, Paris	certificate	Maupetit, A., Limoges	certificate
VANILLE.		MINERAL WATER.	
Delizy et Doisteau Fils, Paris	certificate	Magnier, F., Dijon	certificate
HYGIENIQUE LIQUEUR.		Lacaux Frères, Limoges	certificate
Delizy et Doisteau Fils, Paris	certificate		

HONOURABLE MENTION.

MINERAL WATERS.			
Cie. des Eaux Minerales de Vichy,		Montreuil Frères, Paris	certificate
Cusset-Vichy	certificate		

Jury Section XXXVI.—HORTICULTURE, CONSERVATORIES.

FIRST ORDER OF MERIT.

VEGETABLE, SWEET, POT, AND MEDICINAL HERBS.

Vilmorin-Andrieux et Cie., Paris gold

Jury Section XXXVII.—WEAVING, SEWING, AND PRINTING MACHINERY.

FIRST ORDER OF MERIT.

EMBROIDERING MACHINE.

Cornely, E., Paris

silver

METAL CAPSULES.

Maisan, E., et Cie., Bordeaux

bronze

SILK-WEAVING LOOM.

Permezel, L., et Cie., Paris

silver

SECOND ORDER OF MERIT.

ENVELOPE-FOLDING MACHINE.

Antoine, L., Paris

certificate

ALGIERS.

Jury Section III.—EDUCATION.

FOURTH ORDER OF MERIT.

TECHNICAL AND SPECIAL SCHOOL.

Ecole Communale de Filles de Constantine, Constantine certificate

Jury Section IV.—PRINTING, BOOKS, STATIONERY.

FOURTH ORDER OF MERIT.

BOOKBINDING.

Cauvy, R., Bône

certificate

Jury Section XX.—AGRICULTURAL PRODUCTS, NOT USED FOR FOOD.

SECOND ORDER OF MERIT.

GRASSES FOR BROOMS.

Hugonnard, —, Algeria

certificate

THIRD ORDER OF MERIT.**LEAF TOBACCO.**

Guyonnet, —, Algeria

certificate

FOURTH ORDER OF MERIT.**COTTON.**

Guyonnet, —, Algeria

certificate

NEW CALEDONIA.**Jury Section III.—EDUCATION.****FIFTH ORDER OF MERIT.****MAPS.**

Lemire, C., New Caledonia

certificate

Jury Section IV.—PRINTING, BOOKS, STATIONERY.**SECOND ORDER OF MERIT.****LITHO. STONES.**

Joubert, Jules, New Caledonia

certificate

PUBLICATIONS.

Lemire, C., New Caledonia

certificate

Jury Section XXVIII.—RAILWAYS, MINING, AND METALLURGY.**FIRST ORDER OF MERIT.****NICKEL ORE FROM BEL AIR MINE.**

Higginson, John, Houailou

bronze

ANTIMONY ORE, "ANTIMONEUSE."

Feraud, L., et Cie., Naketi

bronze

NICKEL ORE FROM BEAUCOURT MINE.

Adet, Pelletier et Cie., Thio

bronze

Jury Section XXXI. and XXXII.—CEREALS, CONDIMENTS, AND STIMULANTS.**SECOND ORDER OF MERIT.****COFFEE.**

Gimel, T. de, Païta

certificate

Laurie, C. P., Canaba

certificate

GERMANY.

Jury Section I.—FINE ARTS.

FIRST ORDER OF MERIT.

OIL PAINTINGS.			
Koken, G., Hannover	gold	Schuster, R., Berlin	silver
Koken, G., Hannover	gold	Würtzburg, H., Berlin	silver
Langko, D., München	gold		
Ockel, E., Berlin	gold	OLEO, CHROMO-LITHO, AND CHROMO- TYPOGRAPHS.	
		Kaufmann, A., und Co., Berlin	silver
STEEL ENGRAVINGS AND ETCHINGS.		Seitz, G. W., Wandsbeck, bei Hamburg	silver
Fränkel, F., Nürnberg	silver		

SECOND ORDER OF MERIT.

OLEO, CHROMO-LITHO, AND CHROMO- TYPOGRAPHS.			
Forndran, W., München	certificate	Douzette, L., Berlin	certificate
Gaillard, E., Berlin	certificate	Douzette, L., Berlin	certificate
Kürth, A., Leipzig	certificate	Koken, G., Hannover	certificate
Schmidtman und Co., Leipzig	certificate	Lossow, H., München	certificate
Schauenburg, M., Lahr	certificate	Ludwig, K., Stuttgart	certificate
Württemberg, H., Berlin	certificate	Lindenschmidt, W., München	certificate
		Michael, M., Berlin	certificate
		Munsch, J., München	certificate
OIL PAINTINGS.			
Achewbach, A., Düsseldorf	certificate	DECORATIVE PAINTING.	
Baumgarten, P., München	certificate	Elster, S., Berlin	certificate

THIRD ORDER OF MERIT.

ENGRAVED & LITHOGRAPHED MAPS.			
Fischer, T., Kassel	certificate	Jacoby, K., Berlin	certificate
Schauenburg, M., Lahr	certificate	Jutz, K., Düsseldorf	certificate
Wichmann, E. H., Hamburg	certificate	Knackfus, H., Düsseldorf	certificate
		Ludwig, Aug. Fräul, Düsseldorf	certificate
LITHOGRAPHY, ARTISTIC AND COM- MERCIAL.		Mali, C., München	certificate
Jäger und Schwabenthau, München	certificate	Michael, M., Berlin	certificate
		Normann, A., Düsseldorf	certificate
OIL PAINTINGS.		Oehme, E., Dresden	certificate
Becker, A., Düsseldorf	certificate	Rögge, W., München	certificate
Baisch, H., München	certificate	Ruths, V., Hamburg	certificate
Brendel, A., Weimar	certificate	Rettich, K., Weimar	certificate
von Cramer, A., Düsseldorf	certificate	Roux, K., München	certificate
Grünfeld, J., Berlin	certificate	Sturzkopf, F., Weimar	certificate
Gaisser, —, München	certificate	Schrader, J., Berlin	certificate
Hellrath, E., München	certificate	Van Starkenborgh, J. N. T., Düsseldorf	certificate
		Wilbroider, L., München	certificate

Jury Section II.—SCULPTURE, BRONZES, &c.

FIRST ORDER OF MERIT.

BRONZES.			
Bichweiler, R., Hamburg	gold	Gräfflich Stolberg-Wernigerödische, Faktorei, Ilsenburg	gold
Czarnikow und Busch, Berlin	gold	von Miller, F., München	gold

DIE-SINKING, ENAMELS.

Graveur-Verein, Berlin silver

INLAID WORK.

Türpe, J. A., Dresden silver

Türpe, A. A., Dresden silver

METAL WORK.

Lauchhammer verein. vm Gräflieh
Einsiedelsche Werke, Lauch-
hammer

silver

Lichtinger, J., und Co., München

silver

SECOND ORDER OF MERIT.

SCULPTURE.

Begas, O., Berlin certificate

BRONZES.

Zimmermann, E. G., Hanau certificate

INLAID IVORY.

Lund, F., Bremen certificate

ENGRAVING ON WATCH CASES.

Lange, A., und Söhne, Glashütte,
bei Dresden certificate

METAL WORK.

Schäfer und Hauschner, Berlin certificate

IMITATION BRONZES.

Koch und Bein, Berlin certificate

THIRD ORDER OF MERIT.

SCULPTURE.

Hartzer, F., Berlin certificate

Schulz, M., Berlin certificate

BRONZES.

Aktien Gesellschaft vorm. Spinn
und Sohn, Berlin certificate

Kramme, C., Berlin certificate

CAMEOS.

Schneider, R., Berlin certificate

METAL ETCHINGS.

Lauter, A., Karlsruhe certificate

RELIGIOUS STATUARY.

Mayer'sche Kunstanstalt für Kirch-
liche Arbeiten, München certificate

Rietzler, F. X., München certificate

FOURTH ORDER OF MERIT.

BRONZES.

Waagen, A., und Co., Berlin certificate

CARVINGS IN CORK.

Borgfeldt, J. F., Berlin certificate

WOOD CARVINGS.

Lang's, G., Erben, Oberammergau certificate

METAL CASTINGS.

Meves, A., Berlin certificate

Jury Section III.—EDUCATION.

FIRST ORDER OF MERIT.

SCHOOL APPLIANCES.

Fischer, T., Kassel gold

Heitmann, E., Leipzig gold

Hermes, W., Berlin gold

Schröder, K., Darmstadt gold

METEOROLOGICAL TABLES.

Deutsche Seewarte, Hamburg (1)

SECOND ORDER OF MERIT.

TECHNICAL AND SPECIAL SCHOOLS.

Grossherzoglich-Badisches Minis-
terium des Innern, Karlsruhe certificateKöniglich Bairisches Staatsminis-
terium des Innern für Kirchen-
und Schulangelegenheiten,
München certificateKöniglich Württembergische Kom-
mission für die gewerblichen
Fortbildungsschulen, Stuttgart certificate

MAPS.

Fischer, T., Kassel certificate

(1) Certificate equal to gold.

THIRD ORDER OF MERIT.

TECHNICAL AND SPECIAL SCHOOLS.

Herzoglich Technische Hochschule, Braunschweig	certificate
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MAPS.

Schauenburg, M., Lahr	certificate
Wichmann, E. H., Hamburg	certificate

SCHOOL APPLIANCES.

Meinhold, C. C., und Söhne, Dresden	certificate
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FIFTH ORDER OF MERIT.

FROEBEL'S TOYS.

Bretsch, H., Berlin	certificate
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Jury Section IV.—PRINTING, BOOKS, STATIONERY.

FIRST ORDER OF MERIT.

CHROMO AND GENERAL LITHO-
GRAPHY.

Gaillard, E., Berlin	silver
König und Ebhardt, Hannover	silver
Schött, H., Rheydt	silver
Seitz, G. W., Wandsbeck, b. Hamburg	silver

WRITING PAPER.

Hösch und Schleicher, Düren	silver
Schöller, F., und Bausch, Dömitz a. Elbe	silver
Schöller, F. H., Düren	silver

TISSUE PAPER.

Schöller, H. A., Söhne, Düren	silver
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ACCOUNT BOOKS.

König und Ebhardt, Hannover	silver
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TYPE.

Wöllmer, W., Berlin	silver
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PENCILS.

Schwanhäuser, Nürnberg	silver
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PRINTING INK, BLACK.

Jänecke Gebr. und Schneemann, Hannover	silver
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PRINTING INK, COLOURED.

Jänecke Gebr. und Schneemann, Hannover	silver
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PRINTING VARNISHES.

Jänecke Gebr. und Schneemann, Hannover	silver
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LACE PAPER AND STAMPED PAPER
OBJECTS.

Petersen, E., Berlin	silver
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CARD AND DRAWING PAPER.

Schöller, F., und Bausch, Dömitz a. Elbe	silver
Schöller, F. H., Düren	silver

ENAMELLED CARDS AND PAPER.

Hochstein und Weinberg, Berlin	silver
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TELEGRAPH PAPER TAPES.

Vereinigte Bautzener Papierfabri- ken, Bautzen	silver
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BOOKBINDING MATERIALS.

Dessauer, A., Kassel	bronze
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ALBUMS.

Foerster, A., Berlin	bronze
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ARTISTS' MATERIALS.

Faber, A. W., Nürnberg	bronze
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PUBLICATIONS.

Stroefer, —, München	bronze
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CARDBOARD BOXES.

Wenderoth, G., Kassel	bronze
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SECOND ORDER OF MERIT.

STATIONERY.

Peipers, W., und Co., Köln a. Rh.	certificate
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BOOKBINDING.

Peper, J. G., Hamburg	certificate
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ALBUMS.

Kullrich, F. F., Berlin	certificate
Mönch und Seiffert, Berlin	certificate

PUBLICATIONS.

Fischer, Theo., Kassel	certificate
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PRINTING.

König und Ebhardt, Hannover	certificate
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LITHOGRAPHIC PROOFS.

Kürth, A., Leipzig	certificate
Schmidtman, M., Berlin	certificate

PRINTING PAPER.		BOARDS.	
Kübler und Niethammer, Kriebstein	certificate	Höborn, H., Hemer, Westfalen	certificate
WRITING PAPER.		CARDS AND DRAWING PAPER.	
Drewsen, G., Lachendorf	certificate	Schöller, H. A., Söhne, Düren	certificate
Schöller, H. A., Söhne, Düren	certificate	DRAWING PAPER.	
Steinbach und Co., Malmedy	certificate	Drewsen, G., Lachendorf	certificate

THIRD ORDER OF MERIT.

POCKET BOOKS.		FILTERING PAPER.	
Falke, F. W., Magdeburg	certificate	Schmidt, A., Gross Ullersdorf	certificate
OFFICE REQUISITES.		WRITING PAPER.	
Faber, A. W., Nürnberg	certificate	Ebbinghaus, F. W., Lethmathe	certificate
		Hoffsümmer Gebr., Düren	certificate
PUBLICATIONS.		FANCY STATIONERY PAPER AND ENVELOPES.	
Breymann und Hübener, Hamburg	certificate	Hoffsümmer Gebr., Düren	certificate
Bielefeld, A., Karlsruhe	certificate		
Ebhardt, F., Berlin	certificate	WRAPPING PAPER.	
Glaser, F. C., Berlin	certificate	Höborn, H., Hemer, Westfalen	certificate
Herold'she Buchhandlung, Hamburg	certificate		
Patent-Blatt, Berlin	certificate	COPYING, TISSUE, AND CIGARETTE PAPER.	
Schloemp, —, Leipzig	certificate	Weesensteiner Papierfabrik	
		"Laferme," Weenstein	certificate
PRINTING.		CARDS.	
Breymann und Hübener, Hamburg	certificate	Hösch und Schleicher, Düren	certificate
Ebhardt, F., Berlin	certificate		
Glaser, F. C., Berlin	certificate	COPYING INK.	
		Beyer, E., Chemnitz	certificate
BRUSHES.		Faber, A. W., Nürnberg	certificate
Gonnermann Gebr., Nürnberg	certificate	Haber, W., Berlin	certificate
		Tetzer, R., Berlin	certificate
PATENT CHALKS.		WRITING INK, BLACK.	
Brüggemann, H., Berlin	certificate	Faber, A. W., Nürnberg	certificate
		Haber, W., Berlin	certificate
CHROMO-LITHOS.		Tetzer, R., Berlin	certificate
Forndran, W., München	certificate	WRITING INK, COLOURED.	
Hermberg'sche Lithographische, Lübeck	certificate	Faber, A. W., Nürnberg	certificate
Jäger und Schwabenthan, München	certificate	Haber, W., Berlin	certificate
Kaufmann, A. und C., Berlin	certificate	Tetzer, R., Berlin	certificate
Schlesinger, M., Berlin	certificate		
Schauenburg, M., Lahr, Baden	certificate	ALBUMS.	
PENCILS.		Vite, F., Berlin	certificate
Guttknecht, J. W., Nürnberg	certificate		
PLAYING CARDS.			
Wüst, C. L., Frankfurt a. Main	certificate		

FOURTH ORDER OF MERIT.

WRITING PAPER.		PLATE PAPER.	
Vereinigte Bautzener Papier Fabriken, Bautzen	certificate	Vereinigte Bautzener Papier Fabriken, Bautzen	certificate
PRINTING PAPER.		DRAWING PAPER.	
Vereinigte Bautzener Papier Fabriken, Bautzen	certificate	Steinbach und Co., Malmedy	certificate

Jury Section V.—PHOTOGRAPHIC PROOFS AND APPARATUS.**FIRST ORDER OF MERIT.****PORTRAITS TAKEN DIRECT.**

Feilner, J. B., und Grienwaldt, Bremen	bronze
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ALBUMENISED PAPER.

Rotter, G., Dresden	bronze
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LANDSCAPE AND BUILDING PHOTOS.

Grienwaldt, L. O., Bremen	bronze
Johannes, B., Partenkirchen	bronze

Jury Section VI.—MUSICAL INSTRUMENTS.**FIRST ORDER OF MERIT.****GRAND PIANO.**

Blüthner, Julius, Leipzig	gold
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SEMI-GRAND PIANO.

Schiedmayer und Söhne, Stuttgart	gold
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SHORT GRAND PIANO.

Kaps, Ernst, Dresden	gold
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COTTAGE PIANOS.

Biese, Wilhelm, Berlin	gold
Blüthner, Julius, Leipzig	gold

Lindner, J. P., Sohn, Stralsund	gold
Mand, Karl, Coblenz	gold
Scheel, Karl, Kassel	gold
Schiedmayer und Söhne, Stuttgart	gold
Schwechten, G., Berlin	gold

ORCHESTRION.

Imhof und Mukle, Vöhrenbach	silver
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VIOLINS.

Wolff Gebr., Kreuznach	silver
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SECOND ORDER OF MERIT.**GRAND PIANOS.**

Gebauhr, C. J., Königsberg i. Preussen	certificate
Ibach, R., Sohn, Barmen	certificate
Seiler, E., Liegnitz	certificate
Westermayer, E., Berlin	certificate

COTTAGE PIANOS.

Dassel, A., Berlin	certificate
Dörner, F., und Sohn, Stuttgart	certificate
Eckermann, C., und Co., Hamburg	certificate
Förster, A., Loebau i. Sachsen	certificate
Hölling und Spangenberg, Zeitz	certificate
Hundt, F., Sohn, Stuttgart	certificate
Irmeler, J. G., Leipzig	certificate
Mayer, J., und Co., München	certificate
Rosenkranz, E., Dresden	certificate
Schilling, F., Stuttgart	certificate
Zeitter und Winkelmann, Braun- schweig	certificate

HARMONIUMS.

Burger, H., und Co., Bayreuth	certificate
Steinmayer, C. F., und Co., Oettingen	certificate

SALON ORGANS AND FLUTE ORGANS.	
Bruder, W., Söhne, Waldkirch	certificate

ORCHESTRION.

Heine, F. X., Vöhrenbach	certificate
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VIOLINS AND TENORS.

Tiefenbrunner, G., München	certificate
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ZITHERS.

Haslwanter, J., München	certificate
Tiefenbrunner, G., München	certificate

CONCERTINAS.

Strathmann und Joachim, Leipzig	certificate
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CLARIONETS.

Jomschick, M., Berlin	certificate
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THIRD ORDER OF MERIT.**COTTAGE PIANOS.**

Ecke, K., Berlin	certificate
Gerhardt, Th., Berlin	certificate
Gerstenberger, J., Liegnitz	certificate
Ibach, R., Sohn, Barmen	certificate
Kanhäuser, G. und E., Stuttgart	certificate
Knake Gebr., Münster	certificate
Kuhla, F., Berlin	certificate
Neufeld, L., Berlin	certificate
Neumann, F. L., Hamburg	certificate
Pfaffe, J., Berlin	certificate

Quandt, C. J., Berlin	certificate
Roesler, C., Berlin	certificate
Römhildt, L., Weimar	certificate
Schake, H. D., Hannover	certificate
Schmidt, C., Berlin	certificate
Trau Gebr., Heidelberg	certificate
Westermayer, E., Berlin	certificate

ZITHERS.

Wolff Gebr., Kreuznach	certificate
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FOURTH ORDER OF MERIT.

CONCERTINAS.

Hess, Ernst, Klingenthal in Sachsen

certificate

Jury Section VII.—MEDICINE, HYGIENE, AND PUBLIC RELIEF.

FIRST ORDER OF MERIT.

ARTIFICIAL HUMAN EYES.

Müller-Uri, L., Lauscha in Thüringen

bronze

SECOND ORDER OF MERIT.

ANATOMICAL MODELS.

Zeiller, P., und Söhne, München certificate

IRON BEDSTEAD FOR THE SICK.

Brühs, C. D. C., Hamburg

certificate

THIRD ORDER OF MERIT.

STRAW SPLINTS FOR BANDAGING.

Beck, Dr. B., Karlsruhe

certificate

ANATOMICAL MODELS.

Rammé, F., Hamburg

certificate

Jury Section VIII.—CLOCKS AND WATCHES.

FIRST ORDER OF MERIT.

ASTRONOMICAL, MATHEMATICAL, AND SURVEYING INSTRUMENTS.

Breithaupt und Sohn, Kassel

gold

MICROSCOPES AND MICROSCOPIC INSTRUMENTS.

Hartnack, Dr., Potsdam

gold

SECOND ORDER OF MERIT.

POCKET WATCHES AND CHRONOMETERS.

Lange und Söhne, Glashütte b. Dresden

certificate

MANTEL, BRACKET, ORNAMENTAL, AND ORDINARY CLOCKS.

Junghans Gebr., Schramberg in W. certificate
Lauter, A., Karlsruhe certificate

REGULATOR CLOCKS.

Becker, Gustav, Freiburg in Sch. certificate

TURRET CLOCKS.

Beyes, F. A., Hildesheim

certificate

SPECTROSCOPES, POLARISCOPES, SACCHAROMETERS.

Schmidt und Hänsch, Berlin certificate

HAND TELESCOPES AND BINOCULARS.

Voigtländer und Co., Braunschweig certificate

ASTRONOMICAL, SURVEYING, AND NAUTICAL INSTRUMENTS.

Bamberg, K., Berlin

certificate

WEIGHING AND MEASURING APPARATUS.

Reimann, L., Berlin

certificate

Stollnreuther und Sohn, München

certificate

Stückradt, P., Berlin

certificate

DRAWING AND PLOTTING INSTRUMENTS.

Ott und Coradi, Kempten

certificate

Richter und Co., Chemnitz

certificate

Riefler, K., München

certificate

OPTICAL GLASSES.

Picht Gebr. und Co., Rathenow

certificate

CUTLERY.

Henckels, J. A., Solingen

certificate

THIRD ORDER OF MERIT.

ASTRONOMICAL, SURVEYING, AND
NAUTICAL INSTRUMENTS.

Fennel, O., Kassel	certificate
Hahn, A. und R., Kassel	certificate
Meissner, A., Berlin	certificate
Wanschaff, J., Berlin	certificate

MICROSCOPES, MICROSCOPIC INSTRUMENTS.

Schieck, F. W., Berlin	certificate
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SURGICAL INSTRUMENTS AND
OPHTHALMISCOPES.

Dörffel, P., Berlin	certificate
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MANTEL, BRACKET, ORNAMENTAL,
AND ORDINARY CLOCKS.

Winterhalder und Hofmeier, Schwärzenbach	certificate
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CUCKOO, TRUMPETER, AND MUSICAL
CLOCKS.

Hettich, Gordian, Furtwangen	certificate
Wehrle und Co., Furtwangen	certificate

CUTLERY (POCKET KNIVES).

Dittert, J. E., und Co., Neustadt in Sachen	certificate
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CUTLERY.

Elberfelder Gesamt-Ausstellung, Elberfeld	certificate
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FOURTH ORDER OF MERIT.

WEIGHING AND MEASURING
APPARATUS.

Elster, S., Berlin	certificate
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DRAWING AND PLOTTING INSTRUMENTS.

Dörffel, P., Berlin	certificate
Grapow, G. D. F., Hamburg	certificate

MATHEMATICAL INSTRUMENTS.

Mittelstrass Gebr., Magdeburg	certificate
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MANTEL, BRACKET, AND ORDINARY
CLOCKS.

Haas, Julius, Schramberg in Würtemberg	certificate
Schwer, August, Tryberg	certificate

CUCKOO, TRUMPETER, AND MUSICAL
CLOCKS.

Maurer und Höfler, Eisenbach	certificate
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CLOCKS, WATCHES, AND MATERIAL.

Württembergische Uhrenfabrik, Schwenningen	certificate
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CUTLERY.

Dittert, J. E., und Co., Neustadt in Sachen	certificate
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FIFTH ORDER OF MERIT.

MICROSCOPES AND MICROSCOPIC INSTRUMENTS.

Wasserlin, R., Berlin	certificate
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Jury Section IX.—FURNITURE AND ACCESSORIES.

FIRST ORDER OF MERIT.

FURNITURE STUFF.

Schmits, Julius, und Co., Elberfeld	gold
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CHEAP AND FANCY FURNITURE.

Krause, F. W., und Sohn, Hamburg	silver
Schoettle, George, Stuttgart	silver

BOOKCASE AND HANGING CUPBOARD.

Mahr, G. C., Hamburg	silver
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FURNITURE.

Kelterborn, Robert, und Co., Berlin	silver
Pfaff, J. C., Berlin	silver
Praechtel, K., Berlin	silver
Vogts, F., und Co., Berlin	silver

STATE WARDROBE.

Lund, F., Bremen	silver
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GILT MOULDINGS.

Aders und Blumberg, Berlin	silver
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MOULDINGS.

Methlow, E., und Co., Berlin	silver
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PAPERHANGINGS.

Brackebusch, G. F., und Sohn, Linden b. Hannover	silver
Flammersheim und Steinmann, Köln a. Rhein	silver

SECOND ORDER OF MERIT.

FURNITURE STUFF.		FRAMES AND MOULDINGS.	
Krugmann und Haarhaus, Elberfeld	certificate	Walter, F., Kehl	certificate
BROCADED SILK STUFFS FOR FURNITURE.		FRAMES.	
Ehrenhaus, N., Berlin	certificate	Radspieler, F., und Co., München	certificate
SMYRNA CARPETS.		BRUSSELS CARPETS.	
Gevers und Schmidtsche Teppichfabrik, Schmiedeberg in Sch.	certificate	Becker, E., und Hoffbauer, Berlin	certificate
WALNUT WRITING DESK, TABLE.		BRASS CORNICES, CURTAIN LOOPS.	
Heinerici, B., Berlin	certificate	Geck, A. T., Iserlohn	certificate
SIDEBOARD TABLE.		Kissing und Möllmann, Iserlohn	certificate
Schlichting, K. F. M., Hamburg	certificate	PAPERHANGINGS AND WALL DECORATIONS.	
FURNITURE.		Peine, G. L., Hildesheim	certificate
Hinck, C. H., und Co., Hamburg	certificate	FANCY PAPERS.	
Meyer, L., Dresden	certificate	Dessauer, A., Aschaffenburg	certificate
Richter, W., Berlin	certificate	Schlesinger, M., Berlin	certificate
Weber Gebr., Stuttgart	certificate	ORNAMENTS AND LABELS IN LITHOGRAPHY AND PRINTING.	
BILLIARD-TABLES.		Schött, H., Rheydt	certificate
Neuhusen, J., Berlin	certificate		
BENT-WOOD FURNITURE.			
Türpe, A., jun., Dresden	certificate		

THIRD ORDER OF MERIT.

CARVED CUPBOARD FIGURES.		PRESSED ORNAMENTS.	
Schnitzereischule Garmisch, Partenkirchen	certificate	Jungé, M. G., Berlin	certificate
BILLIARD-TABLE.		MATTRESSES AND BEDSTEAD.	
Schultze, L., Berlin	certificate	Löhler, T., Mannheim	certificate
MOULDINGS.			
Werkmeister, A., Berlin	certificate		

FOURTH ORDER OF MERIT.

FURNITURE.		PRESSED MOULDINGS.	
Ahrens, H., Hamburg	certificate	Harrass, B., Böhlen	certificate
Ançion, F., und Schnerzel, Berlin	certificate	FRAMES.	
MOULDINGS.		Voeltzkow, G. W., Berlin	certificate
Dobbelmann, J., Köln a. Rhein	certificate	Voeltzkow, H., Berlin	certificate
Ferrenholtz, G. J., Köln	certificate	TRANSPARENT BLINDS.	
Massmann, F., Kiel	certificate	Reischbieter, K., Dessau	certificate

Jury Section X.—GLASS AND POTTERY.

FIRST ORDER OF MERIT.

POTTERY.		ARTISTIC PORCELAIN.	
Villeroy und Boch, Mettlach	gold	Königlich Porzellan-manufaktur, Meissen	gold
PAINTED WINDOWS.		Königlich Preussische Porzellan-manufaktur, Berlin	gold
Türcke, K. L., Zittau	gold		

SECOND ORDER OF MERIT.

POTTERY.		PORCELAIN.	
Ens und Greiner, Lauscha	certificate	Hutschenreuther, L., Selb	certificate
Tiensch, C., und Co., Altwasser	certificate	Triebner, Ens und Eckert, Volkstedt	certificate
PAINTED WINDOW.		GREY STONEWARE.	
Mayer'sche Kunstanstalt für Kirchliche Arbeiten, München	certificate	Merkelbach und Wick, Grenzhausen	certificate
Zettler, F. X., München	certificate		
DECORATED CHINA.		GLAZIERS' DIAMONDS.	
Thallmaier, F. X., München	certificate	Hildebrand, C. L., Hamburg	certificate
MAJOLICA.			
Wessel, L., Bonn-am-Rhein	certificate		

THIRD ORDER OF MERIT.

DECORATED CHINA.		GLASSWARE, PLAIN, CUT, ENGRAVED, ETCHED, AND ORNAMENTAL.	
Wolfsohn, Helene, Dresden	certificate	Villeroy und Boch, Mettlach	certificate
MAJOLICA.		VENETIAN GLASS.	
Bichweiler, R., Hamburg	certificate	Bichweiler, R., Hamburg	certificate
Uechtritz und Faist, Schramberg	certificate	PORCELAIN.	
		Heinze, R., Sonneberg	certificate

FOURTH ORDER OF MERIT.

GREY STONEWARE.		WINDOW GLASS AND MIRRORS.	
Hanke, R., Höhr b. Koblenz	certificate	Carstens, P. G., Altona	certificate
MAJOLICA.		TILES.	
Lonitz, Hugo, Neuahaldensleben	certificate	Sinziger Thonwaarenfabrik, Sinzig	certificate

FIFTH ORDER OF MERIT.

GLASSWARE, CUT, ETCHED, ENGRAVED, AND PLAIN.	
Stender, H. F. L., Rhüden	certificate

Jury Section XI.—JEWELLERY AND SILVERSMITHS' WORK.

FIRST ORDER OF MERIT.

GOLDSMITHS' AND SILVERSMITHS' WORK.		JEWELLERY AND GOLDSMITHS' WORK, COMBINED.	
Schlesinger, C., Berlin	silver	Sy und Wagner, Berlin	silver
Wilkins und Danger, Bremen	silver		
GOLD AND SILVER JEWELLERY.		GOLD AND SILVER JEWELLERY.	
Koch und Bergfeld, Bremen	silver		
Meyen, H., und Co., Berlin	silver		
Wilkins, M. H., und Söhne, Bremen	silver		
Hanauer Gesamt-Ausstellung, Hanau (2)			

SECOND ORDER OF MERIT.

GOLDSMITH AND SILVERSMITHS' WORK.		GOLD AND SILVER JEWELLERY.	
Ritter, A., und Co., Esslingen	certificate		
Henniger und Co., Berlin	certificate	Pforzheimer Gesamt-Ausstellung, Pforzheim	certificate
Münchmeyer und Co., Berlin	certificate		
Pausch und Pohl, Berlin	certificate		

(2) Certificate equal to silver.

THIRD ORDER OF MERIT.

GOLDSMITH AND SILVERSMITHS' WORK.

Aurand und Sudhaus, Iserlohn	certificate
Clarfeld und Springmeyer, Hemer	certificate
Goliasch und Co., Berlin	certificate
Schmöle, T., Söhne, Iserlohn	certificate
Winkelmann, H. F., Berlin	certificate

CELLULOID AND EBONITE JEWELLERY.

Dobler Gebrüder, Berlin	certificate
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IMITATION JEWELLERY.

Peine, E., und Co., Hamburg	certificate
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AMBER GOODS.

Perlbach, H. L., Danzig	certificate
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GOLD AND SILVER JEWELLERY.

Berg und Co., Stuttgart	certificate
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Jury Section XII.—CIVIL ENGINEERING, PUBLIC WORKS.

FIRST ORDER OF MERIT.

GASALIERS.

Elster, S., Berlin	gold
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GAS AND WATER TUBES.

Piedboeuf, J. P., und Co., Düsseldorf	silver
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FIRE-CLAY GOODS.

Stettiner Schamotte-Fabrik, Stettin	bronze
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GAS-BURNERS.

Silbermann und Co., Berlin	bronze
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GRINDSTONES.

Rischmeyer, H. H., und Co., Hamburg	bronze
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SECOND ORDER OF MERIT.

GASALIERS.

Aktien Gesellschaft vorm. Spinn, J. C., und Sohn, Berlin	certificate
Ende und Devos, Berlin	certificate
Kreuzberger und Sievers, Berlin	certificate

TABLE LAMPS.

Krohne, Emil, Berlin	certificate
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ARGAND BURNERS.

Stadelmann und Co., Nürnberg	certificate
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LAMP GOVERNORS.

Flürscheim, M., Gaggenau	certificate
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CEMENT.

Schifferdecker und Söhne, Heidelberg	certificate
Toepffer, Grawitz und Co., Stettin	certificate

FLOORING TILES.

Villeroy und Bosch, Mettlach	certificate
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THIRD ORDER OF MERIT.

CEMENT.

Mannheimer-Portland fabrik, Mannheim	Zement- certificate	Prüsing, Planck und Co., Holz- minden	certificate
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FIFTH ORDER OF MERIT.

GASALIERS.

Schäfer und Hauschner, Berlin	certificate
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HONOURABLE MENTION.

CEMENT.

Feege, W., und Gotthard, Frankfurt a. Main	certificate
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WATER METER.

Dreyer, Rosenkranz und Droop, Hannover	certificate
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ROOFING FELT.

Lentze, W., Einbeck	certificate
Riedeburg und Möller, Hamburg	certificate

VARIOUS TESTING APPARATUS.

Königliche Prüfungsstation für Baumaterialien, Berlin	certificate
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Jury Section XIII. & XXII.—CHEMICAL AND PHARMACEUTICAL PRODUCTS.

FIRST ORDER OF MERIT.

ARTIFICIAL INDIGO, AND OTHER COLOURS.
Badische Anilin und Soda Fabrik, Stuttgart gold

CHEMICAL AND PHARMACEUTICAL PREPARATIONS.
Merck, E., Darmstadt gold

CHEMICAL PREPARATIONS.
Chemische-fabrik-aktien, Berlin gold
Schuchardt, Dr. Theo., Görlitz gold

EXHIBIT ILLUSTRATIVE OF THE STASSFURT MINES INDUSTRY.
Stassfurter Chemische-fabrik, Stassfurt gold

QUININE.
Chininfabrik Braunschweig, Braunschweig silver

SALICYLIC ACID.
von Heyden, Dr. F., Dresden silver

ARTIFICIAL VANELLAN HELIOTROPEN.
Haarmann und Reimer, Holzminden silver

PHARMACEUTISTS' MILLS AND PRESSES.
Flürscheim, M., Gaggenau silver

VACUUM APPARATUS.
Ziemann, A., Stuttgart silver

COLOURS.
Devrient, J. E., Zwickau silver
Wohlfahrt, A., Leipzig silver

COLOURS AND WHITE ZINC.
Heyl, Geb. und Co., Charlottenburg silver

WHITE LEAD, CHROME, COLOURS.
Gademann und Co., Schweinfurt silver

WATER GLASS.
van Baerle und Spönnangel, Berlin silver

AMBER VARNISHES.
Pfannenschmidt und Krüger, Danzig silver

PERFUMES AND TOILET SOAP.
Böhm, Gustav, Offenbach silver

THEATRICAL TOILET PREPARATIONS.
Leichner, L., Berlin silver

EAU DE COLOGNE.
Farina, F. M. (4711), Köln silver
Fiévet, K., "Johann M. Farina,"
Zur Stadt Turin Hochstrasse
No. 111, Köln silver
Martin, Maria, Klementine, Köln silver

ULTRAMARINES AND LAUNDRY BLUES.
Nürnberger Ultramarinfabrik, Nürnberg bronze
Piedboeuf, J. P., Düsseldorf bronze
Schweinfurter Ultramarinfabrik, Oberndorf, Schweinfurt bronze
von Waitz'sche Erben, Kassel bronze

PORTRAIT COLLODION.
Feilner, J. B., und Grienwaldt, Bremen bronze

DRY RENNET, PEPSINE, AND CROTON OIL.
Witte, Dr. F., Rostock in Mecklenburg bronze

EXTRACT OF RENNET, BUTTER AND CHEESE COLOUR.
Ziffer, L., Berlin bronze

DYED YARN.
Duncklenberg, J. C., Elberfeld bronze
Schoeller, A. und F., Elberfeld bronze

GELATINE GLUE.
Fischer und Schmitt, Höchst bronze

ESSENTIAL OILS AND ESSENCES.
Sachsse, E., und Co., Leipzig bronze

DRUGS (POWDERED AND CUT ROOTS).
Brückner, Lampe und Co., Leipzig bronze

SECOND ORDER OF MERIT.

COD LIVER OIL.
Muhle, H. L., und Co., Hamburg certificate

PAINT PRIMING.
Pflug, C., Kitzingen certificate

VARNISH.
Koerper und Co., Mannheim certificate

PERFUMES, TOILET PREPARATIONS, AND SOAPS.
Jünger und Gebhardt, Berlin certificate
Rieger, W., Frankfurt a. Main certificate

EAU DE COLOGNE.
Cuntze, E., Köln-Ehrenfeld certificate
Farina, Johann M., Jülichsplatz
No. 4, Köln certificate
Farina, Johann M., Gegenüber
dem Neumarkt, Köln certificate
Farina, Johann M., Zur Stadt
Turin Hochstrasse No. 111, Köln certificate

Jury Section XIV.—LEATHER-WORK, FANCY ARTICLES.

FIRST ORDER OF MERIT.

FANCY BRUSHWARE.
Flemming, E., und Co., Schönheide silver

DRESSING-CASES, FANCY GOODS.
Adler, G., Buchholz bronze
Schwalbe, A., Berlin bronze

FANCY ARTICLES, CARVED, TURNED,
ENGRAVED; IN WOOD, IVORY, AND
TORTOISE-SHELL.
Müller, H., Berlin bronze

MECHANICAL TOYS.

Fischer, Naumann und Co., Ilmenau bronze
Sonneberger Gesamt Ausstellung,
Sonneberg (3)
Unger, Schneider und Co., Gräfenthal bronze

HAMMOCKS.

Roithner, H., Schweidnitz bronze

SECOND ORDER OF MERIT.

PAINTERS' BRUSHES.
Flemming E., und Co., Schönheide certificate
Gonnermann Gebr., Nürnberg certificate

MECHANICAL TOYS.
Wagner, D. W., Sachsen certificate

BASKET AND STRAW WORK.
Ançion und Schnertzel certificate
Siemens, J., Hameln certificate

FANCY CANE-WORK.
Bretsch, Hugo, Berlin certificate

THIRD ORDER OF MERIT.

BRUSHWARE.
Pruckner, D., München certificate
Roegner, C. H., Striegau certificate

DRESSING-CASES, WORK-BOXES,
CIGAR-CASES.
Wegner, H., Berlin certificate
Wild, J. C., Idar certificate

COMBS.
Amerikan Gummi-und Zellhorn-
waaren-fabrik, Mannheim certificate

FOURTH ORDER OF MERIT.

BASKET AND STRAW WORK.
Kantorowicz, R., Berlin certificate

BRUSHWARE.
Vogel, W., und Sohn, Graudenz certificate

Jury Section XV.—COTTON, FLAX, HEMP, CLOTHING, &c.

FIRST ORDER OF MERIT.

LADIES' COSTUMES AND UNDER-
CLOTHING.
Flatau und Fuchs, Berlin silver

GLOVES.
Marthaler, J., Zeitz silver

LINEN FABRICS.
Dürninger, A., und Co., Herrnhut silver
Hänsch, C. G., Gross-Schönau silver
Hänsch, K. E., Gross-Schönau silver
Lange, J., Waltersdorf silver
Martin, F. A., und Co., Sorau silver
Paul, E., Gross-Schönau silver
Schiffner, K. H., Gross-Schönau silver

SHIRTS.
Bielefelder Gesamt Ausstellung,
Bielefeld (2)

COTTON TWEEDS.
Kreutziger und Henke, Leutersdorf silver

FELT HATS.
Wilke, C. G., Guben silver

HOSIERY.
Elkan Gebrüder, Chemnitz bronze
Härtel, H. C., Waldenburg bronze

BUTTONS.
Bredt, P., und Co., Elberfeld bronze

(2) Certificate equal to silver.

(3) Certificate equal to bronze.

SECOND ORDER OF MERIT.

COLLARS AND CUFFS.

Wolff und Glasserfeld, Berlin certificate

COTTON BLANKETS.

Thiel, A., Burscheid certificate

COTTON DRESS GOODS.

Neumann, C. F., Eibau certificate

Riemann, J. F., Nordhausen certificate

Schlieper und Baum, Elberfeld certificate

Wünsche, Hermann, Ebersbach certificate

COTTON TWEEDS (GAMBROONES).

Fährmann, C. G., Gross-Schönau certificate

Göhle, C. W., Waltersdorf certificate

Häbler und Söhne, Gross-Schönau certificate

Hoffmann, C. G., Neugersdorf certificate

Mättig, A., Gross-Schönau certificate

SLOP CLOTHING.

Alfermann und Jacobi, Herford certificate

Matthias und Rumpel, Herford certificate

HOSIERY.

Conradi und Friedemann, Limbach certificate

Hillig, C. G., Gersdorf certificate

Mühlinghaus, C. P. J., Sohn, certificate

Lennepe certificate

CORSETS.

Rosenthal und Co., Göppingen certificate

UMBRELLAS AND PARASOLS.

Büsing, J. H., Bremen certificate

Zeller Schrim-fabr. vorm. Gebr. certificate

Hugo, Zelle certificate

THIRD ORDER OF MERIT.

ARTIFICIAL FLOWERS.

Kramer und Grätz, Dresden certificate

COTTON QUILTS AND BLANKETS.

Müller, A., Reutlingen certificate

Schramm, C. F., und Sohn, certificate

Heidenheim certificate

FOURTH ORDER OF MERIT.

STRAW HATS.

Stern, S., Zweibrücken certificate

SHIRTS AND COLLARS.

Philippsohn und Leschziner, Berlin certificate

UNDERCLOTHING.

Cohn, Siegfried, Berlin certificate

FIFTH ORDER OF MERIT.

STRAW HATS.

Vereinigte Dresdener Strohhut-fabriken, Dresden certificate

Sub-Jury.—BOOTS.

FIRST ORDER OF MERIT.

FACTORY BOOTS.

Herz, O. und Co., Frankfurt-a-M. silver

Wolf, S., Mainz silver

FELT BOOTS AND SHOES.

Oppenheimer, S. E., Würzburg silver

BOTTOMSTUFF PREPARED BY MACHINE, READY FOR USE.

Langenickel, F., Gotha bronze

SECOND ORDER OF MERIT.

FACTORY BOOTS.

Langenickel, F., Gotha certificate

BOOT UPPERS.

Wüster, F. W., und Co., Elberfeld certificate

BOOTS AND SHOES WITH WOODEN SOLES.

Oppelt, A., Seifhennersdorf certificate

THIRD ORDER OF MERIT.

FACTORY BOOTS.

Unger, E., Erfurt certificate

Jury Section XVI.—WORSTED AND WOOLLEN GOODS.

FIRST ORDER OF MERIT.

WORSTED AND WOOLLEN FABRICS.			
Bomann, Geo. Chr., Zelle	gold	Ruffer, S. B., und Sohn, Liegnitz	gold
Delius, C., Aachen	gold	Samson, Gustav, Kottbus	gold
van Gülpen, J., Aachen	gold	Schmitt Brüder, Zittau	gold
Heerklotz und Thürmer, Döbeln	gold	Treffitz, J. G., und Sohn, Leipzig	gold
Herminghaus und Co., Elberfeld	gold		
Mayer, J. F., Eupen	gold	SHAWLS.	
Peters, D., und Co., Elberfeld	gold	Greve und Uhl, Osterode, Harz	silver
Reimann und Meyer, Elberfeld	gold	Reifschneider, P., Glauchau	silver

SECOND ORDER OF MERIT.

WORSTED AND WOOLLEN FABRICS.		de Weerth und Co., Elberfeld		certificate
Boeddinghaus, Wm., und Co.,		Weissflog, Ernst Fr., Gera		certificate
Elberfeld	certificate			
Hirsch und Markwald, Berlin	certificate			
Jung und Simons, Elberfeld	certificate	SHAWLS.		
Klein-Schlatter, C. F., Barmen	certificate	Bockmühl, P. E., Elberfeld		certificate
Marx, H. R., Seifhennersdorf	certificate	Greve und Quentin, Osterode, Harz		certificate
Simons, Johann Erben, Elberfeld	certificate			

THIRD ORDER OF MERIT.

WORSTED AND WOOLLEN FABRICS.

Oppenheimer, S. E., Würzburg	certificate
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Jury Section XVII.—SILK AND LACE.

FIRST ORDER OF MERIT.

SILK FABRICS AND LACE.			SILK PLUSH FOR HATS.		
Lehmus, C., und Co., Berlin	silver		Ohme, C. W., Berlin	silver	
Schmidt, G. F., Plauen	silver				
Wellner, F. L., Plauen	silver		CORDS, LACES.		
			Bacher und Leon, Annaberg	bronze	
TWIST AND REELED SILK.					
Mez, Karl, und Söhne, Freiburg	silver		GOLD AND SILVER LACE.		
			Thiele und Steinert, Berlin	bronze	
EMBROIDERY.					
Albrecht und Bacher, Plauen	bronze		COLLABORATOR FOR EMBROIDERY		
Günther, Louis, Plauen	bronze		IN SCHMIDT'S EXHIBIT.		
Weindler, Wilhelm, und Co., Plauen	bronze		_____, Plauen	certificate	

SECOND ORDER OF MERIT.

EMBROIDERY.			SILK FABRICS AND LACE.		
Apitzsch, Louis, Plauen	certificate		Erbert und Sohn, Plauen	certificate	
			Hoffmann und Tröger, Plauen	certificate	
			Zschweigert, Oskar, Plauen	certificate	

THIRD ORDER OF MERIT.

SILK FABRICS.			SILK FABRICS AND LACE.		
Glanz, Balcke und Strümpell, Elberfeld	certificate		Lebach Gebr., Elberfeld	certificate	

FOURTH ORDER OF MERIT.

SILK RIBBONS AND GALLOONS.

Frowein, Abraham, und Gebr., Elberfeld	certificate
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Jury Section XVIII.—WEAPONS, &c.**FIRST ORDER OF MERIT.**

SHOT GUNS.		DYNAMITE, CAMPHORATED.	
Haenel, C. G., Suhl	gold	Dynamit-Aktien-Gesellschaft, Ham-	
Leue und Timpe, Berlin	gold	burg	silver
Sauer, J. P., und Sohn, Suhl	gold	—	
FIELD GUN.		DYNAMITE, RED.	
Krupp, Fried., Essen	gold	Dynamit-Aktien-Gesellschaft, Ham-	
		burg	silver
REVOLVERS.		ELECTRIC FRICTIONAL MACHINE.	
Mauser Gebr. und Co., Oberndorf	silver	Dynamit-Aktien-Gesellschaft, Ham-	
		burg	silver
CARTRIDGES, PERCUSSION CAPS, AND DETONATORS.		FUZES.	
Lindener Zündhütchen Fabrik vorm.		Brücker und Zinke, Kölln, bei	
Egestorff, Linden b. Hannover	silver	Meissen	silver
COMMON BLASTING, RIFLE, AND SPORTING POWDER.			
Vereinigte Rheinisch-Westfälische			
Pulver-Fabriken, Köln	silver		

SECOND ORDER OF MERIT.

SHOT GUNS.		REPEATING RIFLES AND CARBINES.	
von Dreyse, N., Sömmerda	certificate	von Dreyse, N., Sömmerda	certificate
SPORTING RIFLES.			
von Dreyse, N., Sömmerda	certificate		
Haenel, C. G., Suhl	certificate		

HONOURABLE MENTION.

PHOTOGRAPHS OF ARMOUR-PLATED FORTIFICATIONS IN DIFFERENT STAGES OF CONSTRUCTION.	
Gruson, H., Magdeburg	certificate

Jury Section XIX.—PRODUCTS OF FORESTS.**FIRST ORDER OF MERIT.**

CASKS.		CORKWOOD AND CORKS.	
Bodenheim, M. B., Kassel	silver	Llorent und Forschner, Stuttgart	bronze

**Jury Section XX.—AGRICULTURAL PRODUCTS, NOT USED
FOR FOOD.****FIRST ORDER OF MERIT.**

CUT TOBACCOS.		CIGARETTES.	
Compagnie Laferme Tabak-u.-Zigar-		Compagnie Laferme Tabak-u. Zigar-	
ren-fabriken, Dresden	silver	ren-fabriken, Dresden	silver
CIGARS.		CIGAR-MOULDS.	
Hess, J. A., Hamburg	silver	Osenbrück und Co., Hemelingen	bronze
Loeser und Wolff, Berlin	silver		
Zieriacks, H., und Co., Hamburg	silver		

SECOND ORDER OF MERIT.

CIGARS.		CIGARETTES.	
Landfried, P. J., Rauenberg	certificate	Przedeki, J., Breslau	certificate
Noll, A., Giessen	certificate	CIGARETTE PAPER.	
Schöttler, H. W., Leipzig	certificate	Weesensteiner Papier-fabrik Laferme, Weesenstein	certificate

THIRD ORDER OF MERIT.

CIGARETTES.	
Horwitz, J., Dresden	certificate

FOURTH ORDER OF MERIT.

CIGARETTES.	
Thorbecke, A. H., und Co., Mannheim	certificate

Jury Section XXI.—WOOL.

FIRST ORDER OF MERIT.

WOOL FLEECES & SAMPLES OF WOOL.		WOOL FLEECES.	
Dyhrenfurth, R. L., Jacobsdorf	silver	von Mens, R., Karlsdorf	silver

Jury Section XXIII.—LEATHER AND SKINS.

FIRST ORDER OF MERIT.

WAXED AND RUSSET CALF.		FANCY LEATHERS.	
Doerr und Reinhart, Worms	silver	Mayer, Michel, und Deninger, Mainz	silver
PATENT ENAMELLED LEATHER.		Schaller, Georg, Lahr i. Baden	silver
Doerr und Reinhart, Worms	silver	HOGSKINS.	
Mayer, Ignaz, Mainz	silver	Mayer, Michel, und Deninger, Mainz	silver
Mayer, Michel, und Deninger, Mainz	silver		

SECOND ORDER OF MERIT.

WAXED AND RUSSET CALF.		FANCY LEATHERS.	
Mayer, Michel, und Deninger, Mainz	certificate	Waeldin und Huber, Lahr i. Baden	certificate
WAXED CALF.			
Mayer, Ignaz, Mainz	certificate		

THIRD ORDER OF MERIT.

WAXED AND RUSSET CALF.		PATENT LEATHER, ENAMELLED.	
Schill, Samuel, Reutlingen	certificate	Wamosy, D., Hamburg	certificate
Wamosy, D., Hamburg	certificate		

Sub-Jury.—SADDLES, HARNESS, &c.

FIRST ORDER OF MERIT.

HARNESS FITTINGS.	
Aurand und Sudhaus, Iserlohn	silver

THIRD ORDER OF MERIT.

WHIPS.	
Alves Gebr., Berlin	certificate
Weidenhammer, G. M., Aglasterhausen	certificate

Jury Section XXIV. & XXV.—AGRICULTURAL IMPLEMENTS.**FIRST ORDER OF MERIT.**

PLOUGHS.		ICE-MAKING MACHINES.	
Eckert, H. F., Aktien Gesellschaft, Berlin	gold	Kropff, O., Nordhausen Vaas und Littmann, Halle	silver silver
SINGLE-FURROW PLOUGH.		DISTILLING APPARATUS.	
Eckert, H. F., Aktien Gesellschaft, Berlin	gold	Hallström, F., Nienburg	silver
HORSE AND HAND POWER THRESH- ING MACHINES.		SEED DRILL.	
Lanz, H., Mannheim	silver	Dehne, Fr., Halberstadt	silver
CORN CRUSHERS.		BROAD-CAST SEED SOWER.	
Gruson, H., Buckau	silver	Eckert, H. F., Aktien Gesellschaft, Berlin	silver
WINE PRESSES.			
Kaiserslauter Eisenwerke, Kaisers- lautern	silver		

SECOND ORDER OF MERIT.

STEAM THRESHING MACHINES.		ICE-CHESTS AND MACHINERY.	
Lanz, H., Mannheim	certificate	Newbecker, A., Offenbach	certificate
CHAFFCUTTERS.		Norddeutsche Eiswerk Aktien Gesellschaft, Berlin	certificate certificate
HORSE POWERS.		FLOUR MILL.	
Lanz, H., Mannheim	certificate	Nagel und Kaemp, Hamburg	certificate
WINE PRESSES.			
Flürsheim, M., Gaggenau	certificate		

THIRD ORDER OF MERIT.**STABLE MODEL AND FITTINGS.**

Lauchhammer, Vereinigte vorm. Gräflisch Einsiedelsche Werke, Lauchhammer certificate

FIFTH ORDER OF MERIT.**CORN CRUSHER.**

Flürsheim, M., Gaggenau certificate

Jury Section XXVI.—MACHINES, MACHINE TOOLS.**FIRST ORDER OF MERIT.**

AIR-COMPRESSING MACHINERY.		HORIZONTAL ENGINES.	
Maschinenbau - Aktiengesellschaft "Humboldt," Kalk bei Köln	gold	Sächsische Maschinen-fabrik vorm. Hartmann, Chemnitz	gold
GENERAL WOOD-WORKING MACHINERY.		"BUSS" GOVERNORS, LATEST PATENT.	
Sächsische Maschinen-fabrik vorm. Hartmann, Chemnitz	gold	Gruson, H., Buckau	gold
STONE-BREAKER.		SAW-BENCHES.	
Gruson, H., Buckau	gold	Sächsische Maschinen-fabrik vorm. Hartmann, Chemnitz	silver
		HYDRAULIC JACKS.	
		Gruson, H., Buckau	silver

ROLLERS AND MACHINE PARTS.		LATHES.	
Gruson, H., Buckau	silver	Sächsische Maschinen-fabrik vorm. Hartmann, Chemnitz	silver
LAP-WELDED TUBES.		PLANING MACHINE.	
Piedboeuf, J. P., und Co., Düsseldorf	silver	Sächsische Maschinen-fabrik vorm. Hartmann, Chemnitz	silver
GAUGES, INDICATORS, AND OTHER FITTINGS.		PULSOMETER.	
Dreyer, Rosenkranz und Droop, Hannover	silver	Hall, C. Henry, Berlin	silver
STEAM BOILER, ROOT'S SYSTEM.		HOSE-COUPPLINGS.	
Walther und Co., Kalk a. Rh.	silver	Grether und Co., Frieberg in Baden	silver
		RUBBER HOSE.	
		Tuchtfeldt, A., Hamburg	silver

SECOND ORDER OF MERIT.

VERTICAL ENGINES WITH BOILERS.		HAND FIRE-PUMPS.	
Lanz, H., Mannheim	certificate	Boldt und Vogel, Hamburg	certificate
CENTRIFUGAL AND ROTARY PUMPS.			
Meyer, A., Hameln	certificate		

THIRD ORDER OF MERIT.

FIRE-ESCAPE.		SOLDERING PLATES.	
Unsoeld, J. Felix, Kempten	certificate	Bühning, C., und Co., Hamburg	certificate

FIFTH ORDER OF MERIT.

WATER METER.	
Dreyer, Rosenkranz und Droop, Hannover	certificate

Jury Section XXVII.—CARRIAGES.

SECOND ORDER OF MERIT.

IRON WHEELBARROWS.	
Blumhardt, C., Simonshaus	certificate

Jury Section XXVIII.—RAILWAYS, MINING, AND METALLURGY.

FIRST ORDER OF MERIT.

STEEL.		MINING APPARATUS.	
Krupp, F., Essen	gold	Maschinenbau - Aktiengesellschaft, "Humboldt," Kalk bei Köln	gold
MANUFACTURED IRON AND STEEL.		PAVILION FOUNTAIN.	
Harkort, Eisenwerk, Duisburg a. R.	gold	Lauchhammer, Vereinigte vorm. Gräflisch Einsiedelsche Werke, Lauchhammer	silver
Westfälischer Union, Aktiengesellschaft Eisen-u. Draht-Industrie, Hamm	gold	IRON CASTINGS.	
Maschinenbau - Aktiengesellschaft, "Humboldt," Kalk bei Köln	gold	Lauchhammer, Vereinigte vorm. Gräflisch Einsiedelsche Werke, Lauchhammer	silver

CHILLED CAST-IRON & MALLEABLE CASTINGS.

Gruson, H., Buckau silver

BRIDGE SECTION AND PLANS.
Harkort, Eisenwerk, Duisburg a. R. silver**GOLD LEAF.**
Cramer, J. W., Sohn, Fürth silver**SCREWS, BOLTS, AND NAILS.**
Dreher, L., Gerresheim silver
Düsseldorfer Eisen-u. Draht Industrie, Düsseldorf silver**HORSE-SHOE NAILS.**
Deutsche Gesellschaft für Hufbeschlag, Berlin silver**VENTILATORS FOR MINES.**
Maschinenbau - Aktiengesellschaft, "Humboldt," Kalk bei Köln silver**WRENCHES, HEAVY & BENCH VICES AND LIFTING JACKS.**
Vorster, R. und H., Hagen silver**NICKEL.**
Fleitmann und Witte, Iserlohn silver**WIRES FOR FENCING.**
Westfälischer Union, Aktiengesellschaft
Eisen-u. Draht-Industrie, Hamm silver**IRON AND STEEL SPRING COPPERED WIRE.**
Felten und Guilleaume, Karlswerk, Mülheim silver
Westfälischer Draht Industrie Verein, Hamm silver**BELLS.**
Radler, J. J., und Söhne, Hildesheim silver**EMERY GRINDERS, WHEELS, AND GLASS CLOTH.**
Oppenheim, S., und Co., Hainholtz, Hannover silver**PACKING FOR MACHINERY.**
Alves, Gebr., Berlin bronze
Blanke, E. A. R., Frankfurt a. O. bronze**SECOND ORDER OF MERIT.****HOLLOWWARE STAMPED GOODS.**
Lauchhammer, Vereinigte vorm. Gräflich Einsiedelsche Werke, Lauchhammer certificate**FIRE AND BURGLAR PROOF SAFES.**
Eggers, H. C. E., Hamburg certificate
Ostertag, J., Aalen certificate**GALVANISED IRON.**
Buderus, L. F., und Co., Neuwied a. R. certificate**GALVANISED IRON AND TINWARE.**
Lachmund, Hugo, Hamburg certificate**WIRES FOR FENCING.**
Eschweiler Eisenwalzwerk Aktien Gesellschaft, Eschweiler certificate**IRON AND STEEL SPRINGS.**
Eschweiler Eisenwalzwerk Aktien Gesellschaft, Eschweiler certificate**BRASS TAPS.**
Boldt und Vogel, Hamburg certificate**COPPERED WIRE.**
Düsseldorfer Eisen-u. Draht-Industrie, Oberbilk certificate**IRON AND STEEL SPRINGS, COPPERED WIRE.**
Eschweiler Eisenwalzwerk Aktien Gesellschaft, Eschweiler certificate**ROCK BORERS.**
Maschinenbau - Aktiengesellschaft "Humboldt," Kalk bei Köln certificate**STEEL.**
Limburger Fabrik und Hüttenverein, Limburg certificate**THIRD ORDER OF MERIT.****STEEL AND IRON WARE OF EVERY KIND.**
Remscheider Gesamt-Ausstellung, Remscheid certificate**FIRE AND BURGLAR PROOF SAFES.**
Wagner, R., Kaiserslautern certificate**FILES.**
Mannesmann, A., Remscheid certificate**HONOURABLE MENTION.****STEEL PINS.**
Brause und Co., Aachen und Iserlohn certificate**ROAD SCRAPERS.**
Eckert, H. F., Aktien Gesellschaft, Berlin certificate

Sub-Jury.—RAILWAY APPLIANCES.

FIRST ORDER OF MERIT.

IRON SLEEPERS, IMPLEMENTS FOR RAILWAYS.		DIFFERENT PARTS OF LOCOMOTIVE ENGINE AXLES, BOXES, &c.	
Aktien-Gesellschaft Eisen-u. Stahl- werk, Osnabrück	gold	Sächsische Maschinenfabrik vorm. Hart- mann, Chemnitz	silver
RAILWAY WHEELS, AXLES, TYRES, AND SPRINGS.		WIRE-ROPE PENDENT RAILWAY.	
Krupp, F., Essen	silver	Bleichert, A., Leipzig	silver

SECOND ORDER OF MERIT.

DIFFERENT WHEELS CHILLED, FOR RAILWAY AND TRAM PURPOSES.

Ganz und Co., Ratibor	certificate
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THIRD ORDER OF MERIT.

CAST-IRON POINTS AND CROSSINGS.

Gruson, H., Buckau	certificate
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Jury Section XXIX.—TELEGRAPHIC APPARATUS, &c.

FIRST ORDER OF MERIT.

TELEGRAPH INSTRUMENTS AND FIRE ALARMS.		TELEGRAPH INSULATORS.	
Naglo Gebrüder, Berlin	gold	Schomburg, H., und Söhne, Berlin	silver

SECOND ORDER OF MERIT.

TELEGRAPH WIRE.

Westfälischer Draht-Industrie Verein, Hamm	certificate
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THIRD ORDER OF MERIT.

TELEGRAPH WIRE.		SUBMARINE CABLE.	
Felten und Guillaume, Karlswerk, Mulheim	certificate	Felten und Guillaume, Karlswerk, Mulheim	certificate

Jury Section XXX.—NAVIGATION.

FIRST ORDER OF MERIT.

SMALL LINES, TWINES, SASH CORDS.		WATERPROOF CANVAS.	
Mechanische Bindfaden fabrik, Im- menstadt	silver	Wolff und Speyer, Berlin	silver

SECOND ORDER OF MERIT.

FIRE HOSE, HAIR CANVAS.

Fröhlich und Wolff, Kassel	certificate
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Jury Section XXXI. and XXXII.—CEREALS, CONDIMENTS, AND STIMULANTS.

FIRST ORDER OF MERIT.

PRESERVED FRUITS, MILK, AND VEGETABLES.		WHEAT STARCH.	
Nägeli, Dr. W., München	silver	Hundhausen, R., Hamm i. W.	bronze
HOPS.		FRIEDRICHSHALL WATERS.	
Barth, J., und Sohn, Nürnberg	silver	Oppel, C., und Co., Friedrichshall	bronze
Kann, J., jun., Nürnberg	silver		
Scharrer, E., und Co., Kannstadt	silver		
MACCARONI AND VERMICELLI.		VINEGAR.	
North, F., Erfurt	bronze	Bollmann, E. und M., Bremen	bronze

SECOND ORDER OF MERIT.

CHOCOLATE.	
Lobeck und Co., Dresden	certificate

Jury Section XXXIII.—MEAT AND FISH.

FIRST ORDER OF MERIT.

SALTED AND SMOKED FISH.	
Walkhoff, J. H. G., Hamburg	silver

SECOND ORDER OF MERIT.

PRESERVES.	
Mulsow, L., und Co., Hamburg	certificate

FOURTH ORDER OF MERIT.

TINNED VEAL, ROAST GOOSE.	
Erasmi, Charlotte, Lübeck	certificate

Jury Section XXXIV.—WINES.

FIRST ORDER OF MERIT—GOLD.

Dietrich und Co.	..	Rüdesheim	..	Sparkling hock	Vintage not given
Jordan, L. A.	..	Deidesheim	..	Forster Kirchenstück Auslese	„ 1862
Jordan, L. A.	..	„	..	Deidesheim grain Auslese	„ 1868
Lauteren, Sohn, C.	..	Mainz	..	Rauenthaler Berg	„ „
Lauteren, Sohn, C.	..	„	..	Marcobrunner Cabinet	„ „
Lauteren, Sohn, C.	..	„	..	Claus Johannisberger	„ „

SECOND ORDER OF MERIT—CERTIFICATE.

Buhl, F. P.	..	Deidesheim	..	Deidesheimer Keiselburg	Vintage 1875
Buhl, F. P.	..	„	..	Forster Jesuitengarten	„ 1874
Ewald und Co.	..	Rüdesheim	..	Sparkling Moselle muscatel (1st quality)	„ not given
Graff, O.	..	Trarbach	..	Vogel Greif (120)	„ „
Graff, O.	..	„	..	„ (135)	„ „
Hochheimer Aktien Gesellschaft	..	Hochheim	..	Sparkling hock	„ „

Hochheimer Aktien Gesellschaft	Hochheim ..	Sparkling Johannisberg	Vintage not given
Hoehl Gebr.	Geisenheim ..	Finest sparkling hock	„ „
Hoehl Gebr.	„ ..	Sparkling Johannisberg	„ „
Hütwohl, J.	Steeg ..	Forster Riesling	„ „
Jordan, L. A.	Deidesheim ..	Deidesheim grain Auslese	„ 1870
Jordan, L. A.	„ ..	Forster Kirchenstück Auslese	„ 1875
Jordan, L. A.	„ ..	„ Jesuitengarten „	„ „
Kupferberg, C. A., und Co.	Mainz ..	Rhenish champagne	„ not given
Labrousse, K.	Neustadt ..	Forster Riesling Auslese	„ 1872
Labrousse, K.	„ ..	Deidesheimer Heiselberg	„ 1874
Lang, F. J.	Würzburg ..	Sparkling hock	„ not given
Langenbach, J., und Söhne	Worms ..	Liebfrauenmilch Stiftswein	„
		Auslese	„ 1874
Langenbach, J., und Söhne	„ ..	„	„ 1876
Langenbach, J., und Söhne	„ ..	„ Kirchen-	„
		stück Auslese	„ 1868
Lauteren, Sohn, C. ..	Mainz ..	Grafenberger Auslese	„ 1874
Lauteren, Sohn, C. ..	„ ..	Rüdesheimer Hinterhäuser	„ 1868
Lauteren, Sohn, C. ..	„ ..	Marcobrunner Cabinet	„ „
Lauteren, Sohn, C. ..	„ ..	Steinberger Cabinet Auslese	„ „
Lauteren, Sohn, C. ..	„ ..	Sparkling hock	„ not given
Meyer und Coblenz ..	Bingen ..	Scharzofberger Auslese	„ „
Meyer und Coblenz ..	„ ..	Schloss Johannisberger	„ „
Meyer und Coblenz ..	„ ..	Sparkling hock	„ „
Meyer und Coblenz ..	„ ..	„ Johannisberg nonpareil	„ „
Meyer und Coblenz ..	„ ..	„ Moselle muscatel (1st	„
		quality)	„ „
Rheingauer Schaumwein-	Schierstein ..	Rheingold Schloss Johannisberg	„ „
fabrik (Söhnlein)			
Valckenberg, P. J. ..	Worms ..	Rüdesheim Berg Auslese	„ 1868
Valckenberg, P. J. ..	„ ..	Steinberger Cabinet	„ „
Valckenberg, P. J. ..	„ ..	Marcobrunner Cabinet	„ „

THIRD ORDER OF MERIT—CERTIFICATE.

Blankenhorn, H. ..	Müllheim, i/B. ..	Markgraefer	Vintage 1868
Blankenhorn, H. ..	„ ..	„	„ 1870
Blankenhorn, H. ..	„ ..	„	„ 1876
Buhl, F. P.	Deidesheim ..	Deidesheim Hofstück	„ 1870
Buhl, F. P.	„ ..	„ Keiselberg	„ 1865
Buhl, F. P.	„ ..	„ Hopkick	„ 1875
Buhl, F. P.	„ ..	Forster	„ „
Dietrich und Co. ..	Rüdesheim ..	Geisenheimer	„ 1874
Dietrich und Co. ..	„ ..	Rüdesheimer Berg	„ „
Dietrich und Co. ..	„ ..	„	„ „
Dietrich und Co. ..	„ ..	Piesporter, No. 17	„ „
Dietrich und Co. ..	„ ..	Marcobrunner (13)	„ „
Dietrich und Co. ..	„ ..	Zeltinger, No. 16	„ „
Dietrich und Co. ..	„ ..	Superior hock, No. 1	„ not given
Dietrich und Co. ..	„ ..	Sparkling hock, 1st quality	„ „
Dietrich und Co. ..	„ ..	„ Moselle, extra	„ „
Dietrich und Co. ..	„ ..	„ „ superior	„ „
Ewald und Co. ..	„ ..	Hock	„ „
Ewald und Co. ..	„ ..	Sparkling hock	„ „
Ewald und Co. ..	„ ..	Kaiser Sekt	„ „
Ewald und Co. ..	„ ..	Sparkling Scharzberg Nonpareil	„ „
Feist Gebr. und Söhne ..	Frankfurt ..	„ Moselle	„ „
Feist Gebr. und Söhne ..	„ ..	„ Hock	„ „
Fendel, H. J.	Lorch ..	Bodenthaler, No. 2	„ 1874
Fendel, H. J.	„ ..	Lorcher, No. 5	„ 1876
Fendel, H. J.	„ ..	„ No. 6	„ „
Graff, O.	Trarbach ..	Vogel Greif, No. 13	„ not given
Henkell und Co. ..	Mainz ..	Moselle muscatel	„ „
Henkell und Co. ..	„ ..	Moussirender Scharzberger	„ „
Henkell und Co. ..	„ ..	Sparkling Johannisberg	„ „

Hochheimer Aktien Gesell-	Hochheim	Hock	Vintage not given
schaft			
Hoehl Gebr.	Geisenheim ..	Sparkling Hock	" "
Hoehl Gebr.	" ..	" superior quality	" "
Hoehl Gebr.	" ..	" Moselle	" "
Hommell, C.	Rappoltsweiler ..	Riesling	" "
Hommell, C.	" ..	Tokay	" "
Hütwohl, J.	Steeg ..	Hochheimer	" 1874
Hütwohl, J.	" ..	Rüdesheim	" "
Hütwohl, J.	" ..	Steeg Riesling (own growth)	" "
Hütwohl, J.	" ..	" Riesling	" "
Hütwohl, J.	" ..	Scharlachberger Riesling	" "
Hütwohl, J.	" ..	Johannisberg Castle Cabinet	" "
Hütwohl, J.	" ..	Rüdesheim Berg	" "
Jung und Co.	Rüdesheim ..	Rüdesheimer Berg	" 1859
Jung und Co.	" ..	"	" 1865
Jung und Co.	" ..	"	" 1868
Jung und Co.	" ..	"	" 1876
Jung und Co.	" ..	"	" 1874
Kessler, G. C., und Co., Nachf.	Esslingen ..	Moussirender Rheinwein	" not given
Kessler, G. C., und Co., Nachf.	" ..	Crémant rose	" "
Kehrmann, F.	Koblenz ..	Dry sparkling Moselle, 1st quality	" "
Kehrmann, F.	" ..	" " " "	" "
Kehrmann, F.	" ..	Sparkling Ehrenbreitstein	" "
Kehrmann, F.	" ..	" Hock nonpareil	" "
		Johannisberg	" "
Kehrmann, F.	" ..	" Hock, 1st quality	" "
Kupferberg, C. A., und Co.	Mainz ..	" Moselle Scharzberger	" "
Labrousse, K.	Neustadt ..	Forster Kirchenstück Auslese	" 1870
Langenbach, J., und Söhne	Worms ..	Liebfrauenmilch Kirchenstück	" 1874
Lauteren, Sohn, C. ..	Mainz ..	Liebfrauenmilch	" "
Lauteren, Sohn, C. ..	" ..	Niersteiner Brudersberg	" "
Lauteren, Sohn, C. ..	" ..	Marcobrunner	" 1868
Lauteren, Sohn, C. ..	" ..	Moussirender Moselle	" not given
Lauteren, Sohn, C. ..	" ..	Champagnes, sorte cabinet	" "
Lauteren, Sohn, C. ..	" ..	Rother, Assmanhäuser moussi-	" "
		rend	" "
Meyer und Coblenz ..	Bingen ..	Forster Kirchenstück Ausbruch	" "
Meyer und Coblenz ..	" ..	Niersteiner	" "
Meyer und Coblenz ..	" ..	Marcobrunner	" 1870
Meyer und Coblenz ..	" ..	Steinberger Cabinet	" "
Meyer und Coblenz ..	" ..	Grünhäuser	" not given
Meyer und Coblenz ..	" ..	Scharlachberg Riesling	" "
Meyer und Coblenz ..	" ..	Claus Johannisberger	" "
Meyer und Coblenz ..	" ..	Marcobrunner Cabinet	" "
Meyer und Coblenz ..	" ..	Geisenheimer Rothenberger	" "
Meyer und Coblenz ..	" ..	Schloss Volrathser	" "
Meyer und Coblenz ..	" ..	Scharlachberger	" "
Meyer und Coblenz ..	" ..	Brauneberger	" "
Meyer und Coblenz ..	" ..	Steinwein Cabinet	" "
Meyer und Coblenz ..	" ..	Sparkling Moselle	" "
Meyer und Coblenz ..	" ..	" Scharzhofberger Non-	" "
		pareil	" "
Meyer und Coblenz ..	" ..	" Hock	" "
Meyer und Coblenz ..	" ..	" Moselle, extra	" "
Oppmann, J.	Würzburg ..	" Franconia	" "
Orb und Weiss	Westhofen ..	Steinberger Cabinet	" "
Orb und Weiss	" ..	Gandesheimer Berg	" "
Siligmüller, F. A. ..	Würzburg ..	Sparkling Moselle	" "
Stöck, J., und Söhne ..	Kreuznach ..	" " nonpareil	" "
Stöck, J., und Söhne ..	" ..	" "	" "
Stöck, J., und Söhne ..	" ..	Ilsteiner	" "
Stöck, J., und Söhne ..	" ..	Rüdesheimer Berg	" "
Travers, F.	Lorch ..	Lorcher Bodenthaler Riesling	" "
Travers, F.	" ..	" "	" "

Valckenberg, P. J.	..	Worms	..	Liebfrauenmilch	Vintage 1868
Valckenberg, P. J.	..	"	..	" Auslese	" 1874
Valckenberg, P. J.	..	"	..	Rauenthaler Berg Auslese	" 1868

FOURTH ORDER OF MERIT—CERTIFICATE.

Blankenhorn, H.	..	Mülheim i/B.	..	Markgraefer Auslese	Vintage not given
Blankenhorn, H.	..	"	..	Markgraefer	" 1874
Buhl, F. P.	..	Deidesheim	..	Forster Kirchenstück	" 1852
Dietrich und Co.	..	Rüdesheim	..	Erbacher	" 1874
Dietrich und Co.	..	"	..	Sparkling moselle (1st quality)	" not given
Ewald und Co.	..	"	..	" hock of Assmanns- häusern	" "
Feist Gebr. und Söhne	..	Frankfurt	..	" Scharzberger	" "
Feist Gebr. und Söhne	..	"	..	" "	" "
Feist Gebr. und Söhne	..	"	..	" hock	" "
Feist Gebr. und Söhne	..	"	..	" " Johannisberg	" "
Fendel, H. J.	..	Lorch	..	Lorcher, No. 3	" 1876
Fendel, H. J.	..	"	..	" No. 4	" "
Fendel, H. J.	..	"	..	Bodenthaler, No. 1	" 1874
Hoehl Gebr.	..	Geisenheim	..	Sparkling Scharzberger	" not given
Hoehl Gebr.	..	"	..	Finest sparkling moselle	" "
Hommell, C.	..	Rappoltsweiler	..	Vin rouge du kirchberg	" "
Hommell, C.	..	"	..	Zacknacker	" "
Hommell, C.	..	"	..	Sparkling Hock	" "
Hommell, C.	..	"	..	" "	" "
Hütwohl, J.	..	Steeg	..	Red steeg (selected grape)	" 1868
Hütwohl, J.	..	"	..	" (own growth)	" 1874
Jordan, L. A.	..	Deidesheim	..	Forster Kirchenstück Auslese	" "
Kehrmann, F.	..	Koblenz	..	Cremant Rose	" not given
Kehrmann, F.	..	"	..	Koblenzer Schaumwein	" "
Kehrmann, F.	..	"	..	Sparkling moselle, nonpareil Sharzhofberger	" "
Kessler, G. C., und Co., Nachf.	..	Esslingen	..	Moussirender Rheinwein	" "
Kessler, G. C., und Co., Nachf.	..	"	..	"	" "
Kessler, G. C., und Co., Nachf.	..	"	..	Crémant Rose	" "
Kessler, G. C., und Co., Nachf.	..	"	..	"	" "
Kupferberg, C. A., und Co.	..	Mainz	..	Rhenish champagne (dry)	" "
Kupferberg, C. A., und Co.	..	"	..	Sparkling moselle Scharzberger nonpareil	" "
Kupferberg, C. A., und Co.	..	"	..	" "	" "
Lang, F. J.	..	Würzburg	..	" hock	" "
Lang, F. J.	..	"	..	Moussirender Rotherleisener	" "
Lang, F. J.	..	"	..	" Leister-Wein	" "
Lang, F. J.	..	"	..	Deutscher Kaiser Wein	" "
Lauteren, Sohn, C.	..	Mainz	..	Rüdesheimer	" 1875
Lauteren, Sohn, C.	..	"	..	Geisenheimer Rothenburger	" 1874
Lauteren, Sohn, C.	..	"	..	Moussirender Moselle muscatel	" not given
Lauteren, Sohn, C.	..	"	..	Sparkling Johannisberger	" "
Meyer und Coblenz	..	Bingen	..	Hochheimer	" "
Meyer und Coblenz	..	"	..	Piesporter	" "
Oppmann, M.	..	Würzburg	..	Sparkling Franconia	" "
Oppmann, M.	..	"	..	"	" "
Oppmann, M.	..	"	..	" Stein wein	" "
Oppmann, M.	..	"	..	"	" "
Oppmann, J.	..	"	..	"	" "
Siligmüller, F. A.	..	"	..	" Moselle	" "
Siligmüller, F. A.	..	"	..	"	" "
Siligmüller, F. A.	..	"	..	"	" "
Stöck, J., und Söhne	..	Kreuznach	..	Moselle wein muscatel	" "
Stöck, J., und Söhne	..	"	..	Sparkling hock, nonpareil	" "
Vornberger, J. M.	..	Würzburg	..	" Franconia	" "
Vornberger, J. M.	..	"	..	"	" "
Vornberger, J. M.	..	"	..	"	" "

FIFTH ORDER OF MERIT—CERTIFICATE.

Blankenhorn, J.	..	Müllheim i/B.	..	Markgraefer	Vintage not given
Hoehl Gebr.	..	Geisenheim	..	Sparkling Assmannshäuser	" "
Lang, F. J.	..	Würzburg	..	Moussirender Leister wein	" "
Meyer und Coblenz	..	Bingen	..	Sparkling Assmannshäuser	" "
Oppmann, J.	..	Würzburg	..	Feinster Moussirender Stein-	" "
				wein	" "
Stöck, J., und Söhne	..	Kreuznach	..	Sparkling hock	" "
Stöck, J., und Söhne	..	"	..	Assmannshäuser mousseux	" "

Jury Section XXXIVa.—SPIRITS.

FIRST ORDER OF MERIT.

WINE SPIRIT.

Stahlberg, J. P., Stettin bronze

FOURTH ORDER OF MERIT.

WINE SPIRIT.

Posener Sprit Aktien Gesellschaft,
Posen certificate
Stahlberg, J. P., Stettin certificate

MISCELLANEOUS SPIRITS.

Gilka, J. A., Berlin certificate
Hirschfeld, G., Thorn certificate
Hirschfeld, G., Thorn certificate
Posener Sprit Aktien Gesellschaft,
Posen certificate

FIFTH ORDER OF MERIT.

MISCELLANEOUS SPIRITS.

Krug, Oscar, Erfurt certificate

SPIRITS OF WINE.

Stengel, W., Leipzig certificate

PRIMA SPIRIT.

Stahlberg, J. P., Stettin certificate

Jury Section XXXIVc.—CORDIALS, LIQUEURS, AERATED WATERS.

FIRST ORDER OF MERIT.

MARASCHINO.

Drouven, J., und Co., Koblenz silver

ANISETTE.

Helmers, C. F. W., Hamburg bronze

KUMMEL.

Bollmann, E. und M., Bremen bronze

ELIXIRS.

Gilka, J. A., Berlin bronze

CHARTREUSE.

Krug, O., Erfurt bronze

PEPPERMINT.

Keiler, J. S., Nachf., Danzig bronze

PUNCH.

Keiler, J. S., Nachf., Danzig bronze
Krug, O., Erfurt bronze

GOLD WATER.

Keiler, J. S., Nachf., Danzig bronze

BENEDICTINE.

Gilka, J. A., Berlin bronze

GINGERETTE.

Gilka, J. A., Berlin bronze
Kantorowicz, Hartwig, Nachf., Berlin bronze
Keiler, J. S., Nachf., Danzig bronze

BITTERS.

Bollmann, E. und M., Bremen	bronze
Drouven, J., und Co., Koblenz	bronze
Gilka, J. A., Berlin	bronze
Hirschfeld, G., Thorn	bronze
Hirschfeld, G., Thorn	bronze
Hirschfeld, G., Thorn	bronze
Hirschfeld, G., Thorn	bronze
Kantorowicz, H., Nachf., Berlin	bronze
Keiler, J. S., Nachf., Danzig	bronze
Keiler, J. S., Nachf., Danzig	bronze
Krug, O., Erfurt	bronze
Krug, O., Erfurt	bronze

Loewenthal, J., Berlin	bronze
Meyer, E. E., Stadthagen	bronze
Underberg-Albrecht, H., Rheinberg	bronze

MISCELLANEOUS LIQUEURS.

Keiler, J. S., Nachf., Danzig	bronze
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CREME DE MOCHA.

Gilka, J. A., Berlin	bronze
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MINERAL WATERS.

Oppel, C., und Co., Friedrichshall	bronze
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SECOND ORDER OF MERIT.**CURACOA.**

Gilka, J. A., Berlin	certificate
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ANISETTE.

Drouven, J., und Co., Koblenz	certificate
Gilka, J. A., Berlin	certificate

KUMMEL.

Gilka, J. A., Berlin	certificate
Kantorowicz, H., Nachf., Berlin	certificate

COFFEE LIQUEUR.

Keiler, J. S., Nachf., Danzig	certificate
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ELIXIRS.

Krug, O., Erfurt	certificate
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PEPPERMINT.

Gilka, J. A., Berlin	certificate
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PEPPERMINT (VERTE).

Gilka, J. A., Berlin	certificate
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PUNCH.

Drouven, J., und Co., Koblenz	certificate
Gilka, J. A., Berlin	certificate

CREME DE THE.

Gilka, J. A., Berlin	certificate
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BENEDICTINE.

Krug, O., Erfurt	certificate
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GINGERETTE.

Hirschfeld, G., Thorn	certificate
Keiler, J. S., Nachf., Danzig	certificate
Krug, O., Erfurt	certificate

BITTERS.

Keiler, J. S., Nachf., Danzig	certificate
Keiler, J. S., Nachf., Danzig	certificate
Keiler, J. S., Nachf., Danzig	certificate
Keiler, J. S., Nachf., Danzig	certificate
Krug, O., Erfurt	certificate
Nägeli, Dr., München	certificate
Winkelhausen, H. A., Stargardt	certificate

BITTERS (RUSSIAN STOMACH).

Keiler, J. S., Nachf., Danzig	certificate
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MISCELLANEOUS CORDIALS.

Helmers, C. F. W., Hamburg	certificate
Keiler, J. S., Nachf., Danzig	certificate
Keiler, J. S., Nachf., Danzig	certificate
Krug, O., Erfurt	certificate
Loewenthal, J., Berlin	certificate
Loewenthal, J., Berlin	certificate

Jury Section XXXV.—BEERS.**FIRST ORDER OF MERIT.****PILSNER BIER, BOTTLED.**

Flensburger Aktien Brauerei-Gesellschaft, Flensburg	bronze
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BROWN ALES, BOTTLED.

Aktien Brauerei-Gesellschaft "Moabit," Berlin	bronze
Ehrhardt Gebr., Strassburg	bronze

HELLE'S LIGHT EXPORT BIER, BOTTLED.

Hannoversche Aktien Brauerei, Hannover	bronze
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BEST BAYERISCHES BIER, BOTTLED.

Vereins Brauerei, Hamburg	bronze
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LAGER BIER, IN QUARTS, BOTTLED.

St. Pauli Brauerei, Bremen	bronze
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LAGER BIER, IN PINTS, BOTTLED.

St. Pauli Brauerei, Bremen	bronze
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SALON BIER, EXTRA BROWN, BOTTLED.

Hildebrand, J., Pfungstadt	bronze
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LAGER BIER, BOTTLED.
Müller, A., Bremen bronze

EXPORT BIER, BOTTLED.
Weltz, H., Speyer bronze

SPECIAL DARK ALES, BOTTLED.
Geisel, L., Neustadt bronze

BAVARIAN EXPORT DARK BIER,
BOTTLED.
Weltz, H., Speyer bronze

SECOND ORDER OF MERIT.

HAMBURG EXPORT BOTTLED ALE.
Uelzener Bier-Brauerei, Gesell-
schaft, Uelzen certificate

BOTTLED PORTER.
St. Pauli Brauerei, Bremen certificate

BOTTLED PALE ALE.
Aktien Lager Bier Brauerei,
Chemnitz certificate

PILSNER BIER, BOTTLED.
Beck und Co., Bremen certificate

LIGHT STOCK BIER, BOTTLED.
Flensburger Aktien Brauerei,
Gesellschaft, Flensburg certificate

HELLE'S EXPORT BIER, BOTTLED.
Hannoversche Aktien Brauerei
Hannover certificate

BROWN ALES, BOTTLED.
Aktien Brauerei Gesellschaft
"Moabit," Berlin certificate
Hildebrand, A., Pfungstadt certificate

DARK STOCK BIER, BOTTLED.
Flensburger Aktien Brauerei,
Flensburg certificate

SPECIAL DARK ALES, BOTTLED.
Aktien Lager Bier Brauerei
Gesellschaft, Chemnitz certificate

DUNKLE'S EXPORT BIER, BOTTLED.
Hannoversche Aktien Brauerei,
Hannover certificate

SALVATOR BIER, PINTS.
St. Pauli Brauerei, Bremen certificate

SALVATOR BIER, QUARTS.
St. Pauli Brauerei, Bremen certificate

THIRD ORDER OF MERIT.

LIGHT EXPORT BIER, BOTTLED.
Flensburger Aktien Brauerei,
Gesellschaft, Flensburg certificate

DEUTSCHE KAISERBIER,
BOTTLED.
Böhmisches Brauhaus, Berlin certificate

Jury Section XXXVI.—HORTICULTURE, CONSERVATORIES.

FIRST ORDER OF MERIT.

LAWN SPRINKLERS.
Tuchtfeldt, Ad., Hamburg bronze

FOUNTAINS.
Lauchhammer verein. vm. Gräfl.
Einsiedelsche Werke, Lauchhammer bronze

THIRD ORDER OF MERIT.

SEEDS.
Le Coq, A., und Co., Darmstadt certificate
Poppe, J. F., und Co., Berlin certificate

HAND LAWN MOWERS.
Herbertz, F. A., Köln a. R. certificate

HONOURABLE MENTION.

CHARCOAL FLOWER-POTS AND PLUGS.
Bühning, C., und Co., Hamburg certificate

Jury Section XXXVII.—WEAVING, SEWING, AND PRINTING MACHINERY.

FIRST ORDER OF MERIT.

WOOL-PREPARING MACHINERY.
Sächsische Maschinen fabrik vorm.
Hartmann, Chemnitz gold

SPINNING MACHINERY.
Sächsische Maschinen fabrik vorm.
Hartmann, Chemnitz gold

WEAVING MACHINERY.

Sächsische Maschinen fabrik vorm.
Hartmann, Chemnitz gold

ENVELOPE-MAKING MACHINES.

Maul, W., jun., Dresden silver

HAT MANUFACTURING MACHINE.

Grahl und Hoehl, Dresden silver

WAX-THREAD SEWING MACHINE.

Koch, H., und Co., Bielefeld silver

KNITTING MACHINE.

Claes und Flentje, Mühlhausen silver

NEEDLE BOTTLING MACHINE,
BOTTLING, WASHING, AND FILLING
MACHINE.

Boldt und Vogel, Hamburg bronze

METAL CAPSULES.

Flach, A., Wiesbaden bronze

BOTTLE STOPPERS.

Fritzner, N., Berlin bronze

SECOND ORDER OF MERIT.

PRINTING PRESS.

Swiderski, Ph., Leipzig certificate

CAPSULING MACHINE.

Boldt und Vogel, Hamburg certificate

Flach, A., Wiesbaden certificate

ROPE-MAKING MACHINERY.

Berg, E. F. W., Berlin certificate

CORKING MACHINE.

Boldt und Vogel, Hamburg certificate

Flach, A., Wiesbaden certificate

FAMILY SEWING MACHINE (TREADLE).

Wertheim, Joseph, Frankfurt-a-
Main certificate

FAMILY SEWING MACHINE (HAND).

Wertheim, Joseph, Frankfurt-a-
Main certificate

CLOTH MANUFACTURING MACHINES.

Wertheim, Joseph, Frankfurt-a-
Main certificate

LEATHER AND ELASTIC SEWING
MACHINES.

Claes und Flentje, Mühlhausen certificate

THIRD ORDER OF MERIT.

LEATHER AND ELASTIC SEWING
MACHINE.

Grimme, Natalis und Co., Braun-
schweig certificate

Schmidt und Hengstenberg, Biele-
feld certificate

FAMILY SEWING MACHINE (TREADLE).

Cramer, W., Saalfeld certificate

Grimme, Natalis und Co., Braun-
schweig certificate

FAMILY SEWING MACHINE (HAND).

Grimme, Natalis und Co., Braun-
schweig certificate

FOURTH ORDER OF MERIT.

CORKING MACHINE.

Hirschberg, L., Berlin certificate

FAMILY SEWING MACHINE (TREADLE).

Northmann Gebr., Berlin certificate

FAMILY SEWING MACHINE (HAND).

Northmann Gebr., Berlin certificate

LEATHER FLOWERING MACHINE.

Grimme, Natalis und Co., Braun-
schweig certificate

FIFTH ORDER OF MERIT.

FAMILY SEWING MACHINE (HAND).

Cramer, W., Saalfeld certificate

ITALY.

Jury Section I.—FINE ARTS.

FIRST ORDER OF MERIT.

OIL PAINTING.

Siemiradzki, Enrico, Rome gold

WATER COLOURS.

De Tommasi, Pubblio, Rome gold

PAINTING ON LOOKING-GLASS.

Martinetti, Angelo, Rome silver

SECOND ORDER OF MERIT.

OIL PAINTINGS.

Cumbo, Cavaliere Ettore, Florence certificate

D'Andrea, J., Venice certificate

Gordigiani, Cavaliere Michele, Florence certificate

Guerra, Achille, Rome certificate

PAINTING ON LOOKING-GLASS.

Chelazzi, Tito, Florence certificate

STEEL ENGRAVINGS AND ETCHINGS.

Bradley, J. H., Florence certificate

LITHOGRAPHY, ARTISTIC AND COMMERCIAL.

Frauenfelder, Paolo, Palermo certificate

THIRD ORDER OF MERIT.

OIL PAINTINGS.

Ciardi, Guglielmo, Venice certificate

Corrodi, Hermann, Rome certificate

Costa, G., Florence certificate

D'Andrea, Jacopo, Venice certificate

Folli, F., Florence certificate

Guardabassi, Guerrino, Rome certificate

Guida, G., Naples certificate

Guzzardi, G., Florence certificate

Maccari, Prof. C., Rome certificate

Sciuti, Prof. G., Rome certificate

Tiratelli, A., Rome certificate

Ussi, Prof. S., Florence certificate

Zona, Baron G., Naples certificate

WATER COLOURS.

Cipriani, N., Rome certificate

Guardabassi, G., Rome certificate

COLOURED MARBLE BUST.

Ricchetti, Consiglio, Venice certificate

FOURTH ORDER OF MERIT.

OIL PAINTING.

Gabani, G., Rome certificate

FIFTH ORDER OF MERIT.

OIL PAINTING.

Lovatti, Matteo, Rome certificate

WATER COLOURS.

Cipriani, Nazzareno, Rome certificate

Jury Section II.—SCULPTURE, BRONZES, &c.

FIRST ORDER OF MERIT.

SCULPTURE.

Monteverde, Giulio, Commendatore, Rome gold

BRONZE.

Duprè, G. B., Florence gold

WOOD CARVINGS.

Gatti, G. B., Cavaliere, Rome silver

CARVINGS.

Fiacchi, Enrico, Florence silver

MOSAICS.

Società Musiva Veneziana, Venice silver

Società Venezia Murano, Venice silver

Tarantoni, Luigi, Rome silver

SECOND ORDER OF MERIT.

SCULPTURE.		MOSAICS.	
Pagani, Luigi, Milan	certificate	Mariotti e Fantoni, Florence	certificate
Tabacchi, Edoardo, Commenda- tore, Turin	certificate	Testolini, Fratelli, Venice	certificate
BRONZES.		CARVINGS.	
De Poli, Fratelli, Vittorio	certificate	Gajani, Egisto, Florence	certificate
CAMEOS.		Morini, Francesco, Florence	certificate
Francati e Santamaria, Rome	certificate	Romanelli, Ferdinando, Florence	certificate

THIRD ORDER OF MERIT.

SCULPTURES.		MISCELLANEOUS WOOD CARVINGS.	
Ciniselli, Giov., Rome	certificate	Besarel, Panciera, Venice	certificate
Dini, Gius., Commendatore, Turin	certificate	Cattaneo, Innocente, Milan	certificate
Gemignani, Antonio, Naples	certificate	Dal Todesco, Marco, Venice	certificate
Jerace, F., Naples	certificate	Guggenheim, M. A., Venice	certificate
Masini, Gerolamo, Prof., Rome	certificate	Somasca, Francesco, Rome	certificate
Rossetti, Antonio, Rome	certificate	CARVINGS.	
Summers, Charles, Rome	certificate	Bardella, Fratelli	certificate
BRONZES.		MISCELLANEOUS MOSAICS.	
Calvi, Constantino, Cav., Rome	certificate	Bedendo, Davide, Cav., Venice	certificate
Maccagnani, Eugenio, Rome	certificate	Falcini, A., Florence	certificate
Nelli, A., Cav., Rome	certificate	MOSAICS.	
MISCELLANEOUS CAMEOS.		Torrini, Giocondo, Florence	certificate
Calvi, Constantino, Cav., Rome	certificate		
Ciapponi, F., e Co., Rome	certificate		

FOURTH ORDER OF MERIT.

SCULPTURE.		CAMEOS.	
Albacini, Achille, Rome	certificate	Petrucchi, R., Naples	certificate
Angelini, —, Naples	certificate	WOOD CARVINGS.	
Bottinelli, Antonio, Rome	certificate	Panducci, Evaristo, Florence	certificate
Cencetti, Adalberto, Rome	certificate	MOSAICS.	
D'Epinay, P., Rome	certificate	Boncinelli, Giov., e Figli, Florence	certificate
Del Panta, Egisto, Florence	certificate	CARVINGS.	
Grilli, Camillo, Rome	certificate	Morozzi, Fratelli, Florence	certificate
Kopf, Guiseppe, Rome	certificate	Picchi, Andrea, Florence	certificate
Mariotti, Francesco, Carrara	certificate	METAL CASTINGS.	
Ricci, Paolo, Florence	certificate	Tis, Pietro, Venice	certificate
Udney, John, Carrara	certificate		
Weizenberg, A., Rome	certificate		
BRONZES.			
Arquati, Pasquale, Venice	certificate		
Guggenheim, M. A., Venice	certificate		
Lorenzetti, Roberto, Pistoja	certificate		
De Luca, C., e Figlio, Naples	certificate		

FIFTH ORDER OF MERIT.

BRONZES.		MOSAICS.	
Giordani, Angelo, Venice	certificate	Civita, A., Florence	certificate
Meyer, Oscar, Florence	certificate	Meyer, Oscar, Florence	certificate
Palmieri, G. Don, Venice	certificate	Sandrini, A., Florence	certificate
CAMEOS.		TERRA-COTTA.	
De Caro, A., Naples	certificate	Valenti, Salvatore, e Figli, Palermo	certificate
WOOD CARVING.		IRON-WORK.	
De Lotto, G. B., Venice	certificate	Zalaffi, B., Siena	certificate
Morini, Francesco, Florence	certificate		
Orfanotrofio, Gesuati, Venice	certificate		

Jury Section III.—EDUCATION.

SECOND ORDER OF MERIT.

TECHNICAL AND SPECIAL SCHOOLS.		SCHOOL BOOKS.	
Municipio di Murano, Murano	certificate	Cann, Prof., Teofilo, Florence	certificate

FOURTH ORDER OF MERIT.

SCHOOL APPLIANCE.

Bernacchi, Fratelli, Forli	certificate
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Jury Section IV.—PRINTING, BOOKS, STATIONERY.

FIRST ORDER OF MERIT.

LITHOGRAPHIC INKS (BLACK).		PUBLICATIONS.	
Orsenigo, F., Milan	silver	Dalmazzo, Cav. E., Turin	bronze

SECOND ORDER OF MERIT.

PRINTING INK (BLACK).

Orsenigo, F., Milan	certificate
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THIRD ORDER OF MERIT.

PUBLICATIONS.		CARDS.	
Mondovi, G., Mantua	certificate	Binda, A., e Co., Milan	certificate
Ricordi, T. di Giovanni, Milan	certificate		
Sonzogno, Edoado, Milan	certificate		
PRINTING.		ENAMELLED HAT PAPERS.	
Dalmazzo, Cav. E., Turin	certificate	Carcano, C., Maslianico	certificate
De Angelis, Commendatore, Naples	certificate		
Mondovi, G., Mantua	certificate		
Ricordi, T. di Giovanni, Milan	certificate		
Sonzogno, Edoado, Milan	certificate		
RAPIDIGRAPH.		BOARDS.	
D'Amico, Andronico G., Reggio-Emilia	certificate	Amosso, Bernardo, Biella	certificate
PRINTING PAPER.		WRITING INK (BLACK).	
Binda, A., e Co., Milan	certificate	Diletti, G., Brisighella	certificate
		Gnocchi, G., Milan	certificate
		Mandoj, L., Bari	certificate
FANCY STATIONERY PAPER AND ENVELOPES.		WRITING INK (COLOURED).	
Binda, A., e Co., Milan	certificate	Diletti, G., Brisighella	certificate
		COPYING INK.	
		Diletti, G., Brisighella	certificate
		Gnocchi, G., Milan	certificate

FOURTH ORDER OF MERIT.

PUBLICATIONS.		COPYING INK.	
Botta, Eredi, Turin	certificate	Mandoj, L., Bari	certificate
PRINTING.			
Botta, Eredi, Turin	certificate		
BOARDS.		WRITING INK (COLOURED).	
Binda, A., e Co., Milan	certificate	Gnocchi, G., Milan	certificate

Jury Section V.—PHOTOGRAPHIC PROOFS AND APPARATUS.

FIRST ORDER OF MERIT.

LANDSCAPE AND BUILDING PHOTOGRAPHY.		ENLARGED PHOTOGRAPHY.	
Brogi, G., e Figlio, Florence	bronze	Borelli, G., Rome	bronze
Rossetti, Giacomo, Cav., Brescia	bronze		

Jury Section VI.—MUSICAL INSTRUMENTS.

FIRST ORDER OF MERIT.

COTTAGE PIANO.		CLARIONETS, FLUTES, OBOES, AND SIDE DRUMS.	
Brizzi e Niccolai, Florence	gold	Pellitti, G., Milan	silver
COMPLETE SET OF BRASS INSTRUMENTS.		CORNETS AND BARITONES.	
Ruggero, Cesare, e Figli, Naples	silver	Santucci, A., Verona	silver
BRASS INSTRUMENTS.		SIDE DRUM.	
Abbate, Alfonso, Naples	silver	Ruggero, Cesare, e Figli, Naples	silver
Pellitti, G., Milan	silver		
CYMBALS.		VIOLIN STRINGS.	
Rosati, Leopoldo, Pistoia	silver	Ruffini, G. B., Naples	bronze

SECOND ORDER OF MERIT.

CLARIONETS AND BASSOONS.		VIOLIN STRINGS.	
Ruggero, Cesare, e Figli, Naples	certificate	Trevisan, G., Bassano	certificate

THIRD ORDER OF MERIT.

COTTAGE PIANO.		MECHANICAL PIANO.	
Mola, Cav. G., Turin	certificate	Giuliano, Vittorio, Naples	certificate
Roeseler, C., Turin	certificate		
HARMONIUMS.			
Mola, Cav. G., Turin	certificate		

FOURTH ORDER OF MERIT.

MECHANICAL PIANO.	
Mola, Cav. G., Turin	certificate

Sub-Jury.—PRINTED MUSIC.

SECOND ORDER OF MERIT.

METHOD OF TEACHING.		PRINTED MUSIC.	
Ricordi, Tito di Giov., Milan	certificate	Ricordi, Tito di Giov., Milan	certificate

THIRD ORDER OF MERIT.

Sonzogno, Edoardo, Milan	certificate
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Jury Section VII.—MEDICINE, HYGIENE, AND PUBLIC RELIEF.**FIRST ORDER OF MERIT.****PLANS OF HOSPITAL.**

Romanin, Jacur, Cav. Dr. Leone, Padua bronze

FOURTH ORDER OF MERIT.**ASSORTMENT OF RUPTURE BELTS.**

Sartorio, G., Cremona certificate

Jury Section VIII.—CLOCKS AND WATCHES.**FIFTH ORDER OF MERIT.****TURRET CLOCKS.**

Fontana, Cesare, Milan certificate

OPTICAL INSTRUMENTS.

DRAWING & PLOTTING INSTRUMENTS.
Cesana, G., Milan certificate

Giusti, A., Venice certificate
Ponti, C., Venice certificate

Jury Section IX.—FURNITURE AND ACCESSORIES.**FIRST ORDER OF MERIT.****WORKS IN EBONY, INLAID WITH IVORY AND STONES.**

Gatti, Cav. G. B., Rome silver

SECOND ORDER OF MERIT.**TWO CABINETS.**

Guggenheim, M., Venice certificate

TWO CARVED CABINETS.

Morini, Francesco, Florence certificate

CABINET AND TABLE.

Pancierà, Besarel Cav. V. e F., Venice certificate

FURNITURE IN EBONY, STONE AND INLAID.

Brambilla, Adriano, Milan certificate

CABINET.

Cattaneo, Innocente, Milan certificate

CARVED FRAMES.

Vespignani, Raffaele, Rome certificate

TABLE.

Quartara, Giuseppe, Turin certificate

CARVED CABINETS.

Gamberai, Saul, Florence certificate

THIRD ORDER OF MERIT.**TABLES, ALBUMS, PHOTO. STANDS.**

Mariotti e Fantoni, Florence certificate

TABLE OF LOUIS XIV.'S TIME.

Bedendo, G., Venice certificate

DAMASK, SILKS, AND OTHER STUFFS.

Levera Fratelli, Turin certificate

CARVED CABINET.

Bardella Fratelli, Venice certificate

PATTERNS OF STUFFS.

Trapolin, G. B., Venice certificate

FURNITURE OF POLISHED WALNUT.

Monti, G., Milan certificate

SUITE OF FURNITURE, CARVED TABLE.

Dal Todesco, Marco, Venice certificate

FURNITURE.

Arrigoni, Vedova, Milan certificate

FOURTH ORDER OF MERIT.

TWO INLAID BOXES.		FRAMES AND MOULDINGS.	
Montanelli, E., Ponte Buggianese	certificate	Bosshard, Ermanno, Florence	certificate
FOUR INLAID SEATS.		DAMASKS AND OTHER STUFFS.	
Polli, F., Florence	certificate	Sartori, Fratelli (fu Ottavio), Venice	certificate
CARVED FRAMES.		STUFFS FOR FURNITURE.	
Cipriani, Telesforo, Rome	certificate	Bergomi, G. A., Monza	certificate

FIFTH ORDER OF MERIT.

IRON BEDSTEADS.		BEDROOM SUITE.	
Cavallaro, L. G., Palermo	certificate	Fiorelli, Lodovico, Venice	certificate
Formiggini e Levi, Modena	certificate	CARVED CABINETS.	
Garassino, G., e Fratello, Rome	certificate	De Lotto, G. B., Venice	certificate

Jury Section X.—GLASS AND POTTERY.**FIRST ORDER OF MERIT.**

ARTISTIC POTTERY.		VENETIAN GLASS.	
Ginori Manifattura, Florence	gold	Campagna Venezia Murano, Venice	gold
Mazzarelli, Bernardo, Naples	gold	VENETIAN BEADS.	
		Weberbeck, F., e Co., Venice	bronze

SECOND ORDER OF MERIT.

ARTISTIC POTTERY.		GLASSWARE, PLAIN, ENGRAVED, CUT, ETCHED, AND ORNAMENTAL.	
Farina, A., e Figli, Faenza	certificate	Candiani, Cav. M., Venice	certificate
Giustiniani, A., Naples	certificate	Radi, L., Murano	certificate

THIRD ORDER OF MERIT.

ARTISTIC POTTERY.		SPUN GLASS.	
Battaglia, G., Naples	certificate	Tommasi e Gelsomini, Venice	certificate
Tanfani, C., Rome	certificate		

FOURTH ORDER OF MERIT.

TILES.		ARTISTIC POTTERY.	
Croze, O., Ing., Vittorio	certificate	Ardy, Commendatore B., Turin	certificate
		Palagi, T., Florence	certificate
		Torelli, Jafet, Florence	certificate

Jury Section XI.—JEWELLERY AND SILVERSMITHS' WORK.**FIRST ORDER OF MERIT.**

GOLD AND SILVER JEWELLERY.		MOSAIC JEWELLERY.	
Francati e Santamaria, Rome	silver	Mariotti e Fantoni, Florence	silver

SECOND ORDER OF MERIT.

GOLD AND SILVER JEWELLERY.		CORAL JEWELLERY.	
Venturini, Pietro, Ascoli Piceno	certificate	Giojuzza e Giobertini, Palermo	certificate
MOSAIC AND TURQUOISE JEWELLERY.			
Boncinelli e Figli, Florence	certificate		

THIRD ORDER OF MERIT.

MOSAIC JEWELLERY.		CAMEO JEWELLERY.	
Civita, A., Firenze	certificate	De Caro, A., Naples	certificate
Torrini, T., Firenze	certificate		
GOLD AND SILVER JEWELLERY.		CORALS	
Beretta, Stefano, Rome	certificate	Palomba, M., Torre del Greco	certificate
Galbiati Fratelli, Vercelli	certificate		
Mayer, Martino, Turin	certificate	MOSAICS.	
Sivelli, E., Genoa	certificate	Olivieri, L., Venice	certificate
CORAL JEWELLERY.		FLORENTINE AND CORAL JEWELLERY.	
Casalta, L., Naples	certificate	Meyer, Oscar, Florence	certificate
Petrucci, R., Naples	certificate		

FOURTH ORDER OF MERIT.

GOLD AND SILVER JEWELLERY.		MOSAIC JEWELLERY.	
Beretta e Fransone, Genoa	certificate	Bedendo, D., Venice	certificate
CORAL JEWELLERY.			
Costa, F. R., Genoa	certificate		

Jury Section XII.—CIVIL ENGINEERING, PUBLIC WORKS.

FIRST ORDER OF MERIT.

MATCHES.		MARBLE.	
Baschiera, L., e Co., Venice	silver	Biondetti, Gaspare, Venice	bronze
ORNAMENTAL MASONS' WORK.		PLANS OF HOSPITAL.	
Weiller, J., e Co., Leghorn	silver	Romanin Jacur, Cav. Dr. Leone, Padua	bronze

SECOND ORDER OF MERIT.

ENAMELLED TILES.		MATCHES.	
Albanese, Achille, e Co., Palermo	certificate	Abbona e Romagna, Moncalieri	certificate
MARBLE TILES.		Chiarappa, Michele, Bari	certificate
Secco, Andrea, Bassano	certificate	Lavaggi, Francesco, e Figli, Trofarello	certificate
CEMENT TILES.		MARBLE MANTELPIECES.	
Croze, Ing. Ottavio, Vittorio	certificate	Capparucci Fratelli, Rome	certificate
CARRIAGE LAMPS.			
Savettieri, Giuseppe, Palermo	certificate		

FIFTH ORDER OF MERIT.

SCYTHE-SHARPENING STONES.

Cuminetti, Cavaliere F., Albino	certificate	Gavazzi, F., Pradalunga	certificate
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HONOURABLE MENTION.

STONE SEATS AND TABLES.

Buzzi, Luigi Gilberto, Milan	certificate	Galli, Rizzardo, Milan	certificate
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Jury Section XIII. and XXII.—CHEMICAL AND PHARMACEUTICAL PRODUCTS.

FIRST ORDER OF MERIT.

PHARMACEUTICAL PREPARATIONS.		ALBUMEN AND GLUE.	
Erba, Comm. Carlo, Milan	gold	Impresa Pubblici Macelli, Florence	bronze
MEDICATED LOZENGES.		ALBUMEN OF BLOOD.	
Ponsetti, A., Turin	gold	Massa, Solari e Co., Genoa	bronze
SOAPS.		ESSENTIAL OILS.	
Cantono, Luigi, Biella	silver	De Angelis, G., e Co., Messina	bronze
Conti, L., e Figlio, Leghorn	silver	De Pasquale Fratelli e Co., Messina	bronze
Gianoli Fratelli, Milan	silver	Mueller, A., e Co., Messina	bronze
WHITE LEAD.		Luciano, Giuseppe, Turin	bronze
De Amezaga, F., Genoa	silver	Oates, G., e Co., Messina	bronze
SULPHUR.		BALSAMIC VINEGARS.	
Società per l'Estrazione dello Zolfo, Cesena	bronze	Colombini, G., Modena	bronze
Floristella, Barone di, Catania	bronze	Molinari Fratelli, Modena	bronze
Mantegna, Benedetto, Principe di Gauci, Palermo	bronze	PREPARED EARTHS FOR PAINTS.	
		Società Terre Bolari, Siena	bronze

SECOND ORDER OF MERIT.

PHARMACEUTICAL PREPARATIONS.		TOBACCO FOR SHEEP WASHES.	
D'Emilio, L., Naples	certificate	Laboratorio Concentramento Sughi nella Fabbricazione Tabacchi al Ro, Parco, Turin	certificate
MEDICINAL GELATINE.		DYED YARN.	
Leonardi, Prof. P., Venice	certificate	Clerici, Ing. Federico, Novara	certificate
MEDICINAL HERBS AND ESSENCES.		DYED AND BLEACHED COTTON YARNS.	
Ulrich, Domenico, Turin	certificate	Laviosa, L., e Co., Piacenza	certificate
CANDLES AND MINERAL WAX.		VARNISH.	
Banca di Credito Veneto, Treviso	certificate	Bernacchi Fratelli, Forli	certificate
SOAPS.		BALSAMIC VINEGAR.	
Calamari, P., Milan	certificate	Frigieri, Giuseppe, Modena	certificate
Ciofi, Leopoldo, Florence	certificate	Giusti, Taddeo, Modena	certificate
Mazzurana e Co., Bari	certificate		
CASTOR OIL.			
Guiffredo e Leotta, Catania	certificate		
SUMAC.			
Castorina e Parlato, Catania	certificate		
Ingoglia, Antonino, Montevago	certificate		

THIRD ORDER OF MERIT.

QUININE AND COMPOUNDS.		SOAPS.	
Grassi Spadaro, Cav. Placido, Catania	certificate	Meyer, L., Genoa	certificate
		Peri, Giovanni, Florence	certificate
CHEMICAL AND PHARMACEUTICAL PREPARATIONS.		PERFUMES.	
Guzzardi Lombardi, M., Catania	certificate	Frecceri, Stefano, Genoa	certificate
		BALSAMIC VINEGAR.	
		Giusti, G., Modena	certificate

HONOURABLE MENTION.

WAX CANDLES.		TOILET VINEGAR.	
De Leonardi, Leonardo, Capuzo	certificate	Zampironi, Dr. G. B., Pradalunga	certificate

Jury Section XIV.—LEATHERWORK AND FANCY ARTICLES.**FIRST ORDER OF MERIT.****PORTMANTEAUS AND TRUNKS.**

Franzi, Cav. F., Milan

silver

BASKET AND STRAW WORK.

Marchini, Cesare, Fiesole

bronze

SECOND ORDER OF MERIT.**BRUSHWARE.**

Gazzani, Giuseppe, Reggio-Emilia

certificate

CAMP FURNITURE.

Aducci, N. di G., Forli

certificate

THIRD ORDER OF MERIT.**BASKET AND STRAW WORK.**

Bellentani, Giuseppe, Modena

certificate

FOURTH ORDER OF MERIT.**DRESSING-CASES AND WORKBOXES.**

Società di Mutuo Soccorso fra gli Operai

Indoratori, Naples

certificate

FIFTH ORDER OF MERIT.**BASKET AND STRAW WORK.**

Bedendo, G., Venice

certificate

Jury Section XV.—COTTON, FLAX, HEMP, CLOTHING, &c.**FIRST ORDER OF MERIT.****HOSIERY.**

Boglietti e Guglielminotti, Biella

bronze

FANS.

Gondrand Fratelli, Milan

bronze

SECOND ORDER OF MERIT.**GLOVES.**

Chanal, Enrico, Rome

certificate

HOSIERY.

Bosio Fratelli, Turin

certificate

THIRD ORDER OF MERIT.**COLOURED COTTON GOODS.**

Brusa e Scotti, Monza

certificate

Fossati, Luigi di G. A., Monza

certificate

Gentiluomo, I. V., e Co., Pisa

certificate

MEN'S SLOP CLOTHING.

Scattamacchia, Leonino, Venice

certificate

HATS.

Balada, Giuseppe, Biella

certificate

Borello e Gallo, Biella

certificate

Liatti, Angelo, e Co., Tavigliano

certificate

GLOVES.

Castelnuovo, Luigi, Milan

certificate

Guarnieri, Carlo, Milan

certificate

Loforte, G., e Figlio, Naples

certificate

Maggioni, Francesco, Milan

certificate

Tortora, A., Naples

certificate

FOURTH ORDER OF MERIT.**STRAW HATS.**

Ballentani, Giuseppe, Modena

certificate

Cajoli, Benucci, e Co., Florence

certificate

Marchini, Cesare, Florence

certificate

GLOVES.

Crespi, Antonio, Milan

certificate

Ferralasco, F., e Co., Genoa

certificate

Peschini Fratelli, Milan

certificate

CAPS.

Società Anonima per la Manifattura delle Berrette, Modena

certificate

UMBRELLAS.

Carmano e Bersani, Milan

certificate

Minola, Guglielmo e Fratelli, Turin

certificate

Motta, G., Milan

certificate

FIFTH ORDER OF MERIT.

HATS.			
La Farina, C., Palermo	certificate		
STRAW HATS.			FANS.
Muzzini e Ferrari, Modena	certificate	Faccio, Giovanni, Turin	certificate

Sub-Jury.—BOOTS.

FIRST ORDER OF MERIT.

FACTORY BOOTS.			
Forte, Matteo, Naples	silver	De Notaris, S., e Luigi, Naples	silver

SECOND ORDER OF MERIT.

FACTORY BOOTS.			
Baldi, Francesco, Catania	certificate	Moiraghi, A., Turin	certificate

THIRD ORDER OF MERIT.

FACTORY BOOTS.			
Antinucci, Severino, Rome	certificate	Pugelli, A., Como	certificate
Beninati, G., Palermo	certificate	Rossi, Francesco, Milan	certificate
Giangrandi, A., Rome	certificate	Vannucchi, G. B., e Figli, Pistoia	certificate

FOURTH ORDER OF MERIT.

FACTORY BOOTS.			
Frolli Fratelli, Varese			certificate

Jury Section XVI.—WORSTED AND WOOLLEN GOODS.

FIRST ORDER OF MERIT.

SHAWLS.			
Targetti, Lodovico, Florence			silver

THIRD ORDER OF MERIT.

WORSTED AND WOOLLEN FABRICS.			
Maccari, Pietro, Gandino			certificate

FOURTH ORDER OF MERIT.

WORSTED AND WOOLLEN FABRICS.			
Adducci, N. di G., Forli	certificate	Fogliardi, Francesco, Bergamo	certificate
Bozzalla, Ant., e Co., Coggiola	certificate	Mino, Gius e Vincenzo, Biella	certificate

Jury Section XVII.—SILK AND LACE.

FIRST ORDER OF MERIT.

RAW SILK.			
Ferrari, Francesco d'Antonio, Codogno	silver	LACE, NET, EMBROIDERY, TRIMMINGS.	
		Jesurum, M., e Co., Venice	bronze

SECOND ORDER OF MERIT.

RAW SILK.		LACE, NET, EMBROIDERY, TRIMMINGS.	
Sinigaglia, Erede Salomon, Turin	certificate	Barbensi, Aless., e Co., Florence	certificate
		Majocchi, N., Reggio-Emilia	certificate

THIRD ORDER OF MERIT.

SILK FABRICS.			
Cantaluppi, C., Como	certificate	Diena, M. G. (fu Jacop), Modena	certificate

FOURTH ORDER OF MERIT.

SILK FABRICS.		Società per la Filatura dei Cascami di Seta, Milan	
Marini, P., e Co., Zugliano	certificate		certificate

Jury Section XVIII.—WEAPONS, &c.**FIRST ORDER OF MERIT.**

WARLIKE MATERIAL.	
Ministero Italiano della Marina, Rome	certificate (1)

HONOURABLE MENTION.

STUFFED BIRDS.	
Brogi, Cav. Sigisimondo, Siena	certificate

Jury Section XIX.—PRODUCTS OF FORESTS.**SECOND ORDER OF MERIT.**

ONE HUNDRED SPECIMENS OF ITALIAN WOODS.	
Bernacchi Fratelli, Forli	certificate

Jury Section XX.—AGRICULTURAL PRODUCTS, NOT USED FOR FOOD.**FIRST ORDER OF MERIT.**

FLAX, HEMP, FIBRES.		SNUFF.	
Antonini, Andrea, Venice	silver	Regia Cointeressata dei Tabacchi, Rome	bronze
GRASSES FOR BROOMS.			
De Carlo Fratelli, Conegliano	silver		

SECOND ORDER OF MERIT.

CIGARS.		OILS.	
Regia Cointeressata dei Tabacchi, Rome	certificate	Anselmi e Marassi, Naples	certificate
		Ciofi, Leopoldo, Florence	certificate

THIRD ORDER OF MERIT.

OILS.	
Doneaud Fratelli, Porto Maurizio	certificate

Jury Section XXIII.—LEATHER AND SKINS.

SECOND ORDER OF MERIT.

SOLE LEATHER.		SADDLERY LEATHER.	
Zamboni, Angelo, Verona	certificate	Baluffi, Niccola, e Co., Ancona	certificate

THIRD ORDER OF MERIT.

SOLE LEATHER.		BOOT AND SHOE HEELS, MANUFACTURED FROM IMITATION OR COMPRESSED LEATHER.	Bloch e Figli, Milan	certificate
Baluffi, Niccola, e Co., Ancona	certificate			
Praccanica, Giacomo, Messina	certificate			
Sangiorgi Fratelli, Imola	certificate			
SADDLERY, HARNESS, AND BELT LEATHERS.				
Narizzano e Gheresi, Genoa	certificate			
Pivato, Giacomo, Venice	certificate			

FOURTH ORDER OF MERIT.

SOLE LEATHER.		CALF LEATHER.	
Narizzano e Gheresi, Genoa	certificate	Narizzano e Gheresi, Genoa	certificate
Pivato, Giacomo, Venice	certificate		

Sub-Jury.—FURS.

THIRD ORDER OF MERIT.

Finzi, Coen, e Pugliese, Mantua	certificate
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Jury Section XXIV. and XXV.—AGRICULTURAL IMPLEMENTS.

FIRST ORDER OF MERIT.

DESIGN FOR FARM BUILDINGS.	
Villanis, Paolo, Turin	bronze

FIFTH ORDER OF MERIT.

MODEL OF A REAPER.	
Maffia, A., e de Filippo, V., Naples	certificate

Jury Section XXVI.—MACHINES, MACHINE TOOLS.

THIRD ORDER OF MERIT.

BRONZE CASTINGS.	
De Luca, Carmine, Naples	certificate

FOURTH ORDER OF MERIT.

DRAWINGS OF INSTRUMENTS FOR DETERMINING SPEED OF MACHINES.	
De Maria, Salvatore, Naples	certificate

Jury Section XXVIII.—RAILWAYS, MINING, AND METALLURGY.

SECOND ORDER OF MERIT.

WIRE WORK AND WOVE WIRE.		MINERALS.	
Guggi, Giuseppe, Laglio-como	certificate	Pullè, Conte Ingegner Giulio, Portoferraio	certificate

HONOURABLE MENTION.

WROUGHT COPPER.		BOOKS ON MINING AND METALLURGY.	
Algostino, G. B., e Figli, Torino	certificate	Gervis, Cav. Guglielmo, Direttore del Museo Technologico di Torino, Torino	certificate

Jury Section XXX.—NAVIGATION.

FIRST ORDER OF MERIT.

ASBESTOS ROPE PACKING.		IMPROVED PROPELLER.	
Ulrich, Domenico, Turin	bronze	De Maria, Salvatore, Naples	bronze

SECOND ORDER OF MERIT.

GONDOLAS.	
Fassi, Napoleone e Fratelli, Venice	certificate

Jury Section XXXI. and XXXII.—CEREALS, CONDIMENTS, AND STIMULANTS.

FIRST ORDER OF MERIT.

OLIVE OILS.		PICKLES (CAPERS).	
Cappocchiano, Francesco, Molfetta	silver	De Col e Co., Milazzo	bronze
Longo, Domenico, Bari	silver		
Melini, Laborel Luigi, Florence	silver		
PARMESAN CHEESE.		MACARONI.	
Gallone, Modesto, Milan	silver	Arrighetti, Marco, Florence	bronze
		Gentili, Ferdinando, Pisa	bronze
		Pantanella, M., Rome	bronze
TINNED BUTTER.		VERMICELLI AND PASTES.	
Rizzi, N., e Co., Milan	silver	Gentili, Ferdinando, Pisa	bronze
		Pantanella, M., Rome	bronze
CHOCOLATE.		EXCELLENCE IN DRESSING RICE.	
Gay e Revel, Turin	silver	Poggioli Fratelli, Bologna	bronze
FRENCH CHOCOLATE.		DRESSED RICE.	
Loreti, A., e Co., Rome	silver	Ferrarini, Riccardo, e Fratello, Modena	bronze
CHOCOLATE CONFECTIONERY.		RICE STARCH.	
Gay e Revel, Turin	silver	Malvezzi, G., e Co., Venice	bronze
PRESERVED FRUITS.		BLUE STARCH.	
Mazzoneschi Fratelli, Spoleto	silver	Nardi, Cesare, Leghorn	bronze
RICE.			
Malinverni, Cavaliere Secondo, Vercelli	silver		

SECOND ORDER OF MERIT.

OLIVE OIL.		RICE STARCH.	
Agostini, Cav. Conte Alfredo,		Malvezzi, G., e Co., Venice	certificate
Verenosi Della Seta, Pisa	certificate		
Gabrielli, Giustiniano, Siena	certificate	LIVINO ADONTE STARCH.	
		Nardi, Cesare, Leghorn	certificate
PARMESAN CHEESE.		FRUITS PRESERVED IN SPIRITS.	
Ferrari, Francesco d'Antonio, Codogno	certificate	Amato Fratelli, Catania	certificate
		MACARONI, VERMICELLI, AND PASTES.	
SHEEP MILK CHEESE.		Montaldo Fratelli, Genoa	certificate
Tanlongo, Commendatore Bernardo, Rome	certificate	MACARONI.	
		Pansini e Gallo, Molfetta	certificate
CONFECTIONERY.		VINEGAR.	
Loreti, A. e C., Rome	certificate	Cerami, Principe, Catania	certificate
		Scarroni, Luigi, Vincenza	certificate
CONDENSED MILK.		Ziliani, C., Milan	certificate
Società Italiana per la Condensazione del Latte, Milan	certificate	RICE.	
		Norsa, Aron Pace, Mantua	certificate

THIRD ORDER OF MERIT.

OLIVE OIL.		MACARONI, VERMICELLI, AND PASTES.	
Compagna, Baron F., Corigliano-Calabria	certificate	Ghigliotti Fratelli, Genoa	certificate
		Ricchiardi, Vittorio, Turin	certificate
SALAD OIL.		MACARONI.	
Doneaud Fratelli, Porto Maurizio	certificate	Russo Fratelli, Torre Annunziata	certificate
Gabrielli, Giustiniano, Siena	certificate	VINEGAR.	
		Bornia Fratelli, Treviso	certificate
RICE STARCH.		RICE, UNDRESSED.	
Malvezzi, G., e Co., Venice	certificate	Ferrarini, Riccardo, e Fratello,	
Malvezzi, G., e Co., Venice	certificate	Modena	certificate

Jury Section XXXIII.—MEAT AND FISH.

FIRST ORDER OF MERIT.

HAM SAUSAGE.		CAMAGLIONE, IN BOXES.	
Arrighetti, Marco, Florence	bronze	Mazzoneschi Fratelli, Spoleto	bronze

SECOND ORDER OF MERIT.

PRESERVED MEATS.

Marretta Fratelli, Palermo	certificate
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THIRD ORDER OF MERIT.

HAMS AND SAUSAGES, IN BOXES.		FLORENTINE HAM AND SAUSAGE.	
Frigieri, Giuseppe, Modena	certificate	Arrighetti, Marco, Florence	certificate
VARIOUS PRESERVED MEATS.			
Bassi, M., Bologna	certificate		

FOURTH ORDER OF MERIT.

SALT MEATS IN HALF-MOON BOXES.

Società Bolognese per la Conser-
vazione Salumi, Bologna certificate

VARIOUS KINDS OF SAUSAGE, BACON,
AND LARD.

Valdonio, Carlo, Piacenza certificate

ITALIAN SAUSAGE.

Bellentani, Giuseppe, Modena certificate

Bordoni, N., Bologna certificate

Colombini, Ulisse, Bologna certificate

Giraldi, Pietro, Turin certificate

ITALIAN SAUSAGE MADE WITH
MARSALA WINE.

Ferrari, A., Ferrara certificate

SMOKED SAUSAGE 1877, AND FRESH
SAUSAGE.

Falcione, Isaia, Turin certificate

ITALIAN HAM AND OTHER PROVISIONS
IN BOXES.

Colombini, G., Modena certificate

HAM IN BOXES; MORTADELLA
SAUSAGE.

Frigieri Fratelli, Modena certificate

ITALIAN SALT MEATS.

Benassati, R., Modena certificate

FIFTH ORDER OF MERIT.

ITALIAN SAUSAGE.

Tacconi, P., Bologna certificate

Jury Section XXXIV.—WINES.

SECOND ORDER OF MERIT—CERTIFICATE.

Barone, G., e Figli	..	Trani	..	Moscato	Vintage 1879
Manzi, A.	..	Naples	..	Capri bianco	„ not given
Scala, G.	..	„	..	Marina di Siracusa	„ „
Scala, P.	..	„	..	„	„ „
Scala, P.	..	„	..	Moscato di Siracusa	„ „
Scala, P.	..	„	..	Malvasia	„ „
Società Enologica “La Sicilia”	..	Acireale	..	Aci	„ „
Società Enologica Parten- opea	..	Naples	..	Capri	„ „

THIRD ORDER OF MERIT—CERTIFICATE.

De Salvo, Salvatore e Figli	Riposto-Catania	Moscato	Vintage not given
Melini, Laborel Luigi	.. Florence	Chiarretto	„ „
Melini, Laborel Luigi	.. „	Vin di Chianti	„ „
Marstaller, Zublin e Co.	.. Bari	Brindisi Nero	„ „
Marstaller, Zublin e Co.	.. „	Bitonto Nero	„ „
Marstaller, Zublin e Co.	.. „	Red wine	„ „
Papadopoli, Conti N. e A.	.. Venice	Verdiso	„ 1876
Papadopoli, Conti N. e A.	.. „	„	„ 1877
Patalano, M., Fratelli	.. Naples	Cappizzo	„ not given
Peratoner, Antonio	.. Catania	Vin Rosso Palmi	„ „
Scala, G.	.. Naples	Palermo Rosso	„ „
Scala, G.	.. „	Capri bianco	„ „
Società Casteldaccia	.. Palermo	Coroo	„ „
Società Casteldaccia	.. „	„	„ „
Società Enologica “La Sicilia”	.. Acireale	Etna	„ „
Società Enologica “La Sicilia”	.. „	Mongibello dolce	„ „
Società Enologica Parten- opea	.. Naples	Sorrento bianco	„ „
Società Enologica Parten- opea	.. „	Moscato di Siracusa	„ „

FOURTH ORDER OF MERIT—CERTIFICATE.

Arrighetti, Marco ..	Florence ..	Chianti (Ma.)	Vintage not given
Audiffredi, V., e Co. ..	Torino ..	Barolo	" "
Barone, G., e Figli ..	Trani ..	Vino Rosso da Taglio	" "
Compagnia Vinicola Siciliana ..	Palermo ..	Malvasia	" "
Compagnia Vinicola Siciliana ..	" ..	"	" "
Compagnia Vinicola Siciliana ..	" ..	Moscato di Siracusa	" "
D'Ali e Bordonaro ..	" ..	Marsala (I.)	" "
De Salvo, Salvatore, e Figli ..	Riposto Catania ..	Vino Rosso secco	" "
De Salvo, Salvatore, e Figli ..	" ..	Marsala (I.)	" "
Gagna, Prof. Cav., e Cugini ..	Monforte-Alba ..	Barolo primo topo	" 1875
Gagna, Prof. Cav., e Cugini ..	" ..	Barbera	" 1878
Giacone e Anselmi ..	Marsala ..	Marsala (I.)	" not given
Giacone e Anselmi ..	" ..	"	" "
Gianoli, Cav. Ing. Carlo Alberto ..	Ghemme ..	Ghemme	" 1870
Gianoli, Cav. Ing. Carlo Alberto ..	" ..	"	" 1874
Giustetti, Isidoro ..	Turin ..	Caluso	" not given
Guffanti, A. ..	Rovescala ..	Piemonte	" 1878
Gurrieri, Cesare ..	Castel San Pietro ..	Sauvignon di Dozza	" 1874
Ingoglia, A. ..	Montevago ..	Vino Bianco	" not given
Manzi, A. ..	Naples ..	Moscato di Napoli	" "
Manzi, A. ..	" ..	" Amarena	" "
Marstaller, Zublin e Co. ..	Bari ..	Marchito Nero	" "
Marstaller, Zublin e Co. ..	" ..	Bisceglie Nero	" "
Marstaller, Zublin e Co. ..	" ..	Ruoo Nero	" "
Marstaller, Zublin e Co. ..	" ..	Malvasia Bianco	" "
Masserano e Co. ..	Biella ..	Vino Passito Bianco	" 1860
Masserano e Co. ..	" ..	"	" 1865
Melini, Laborel, Luigi ..	Florence ..	Chianti Vecchio	" not given
Menotti, P. ..	Acqui ..	Barolo	" "
Metzger, Davide ..	Asti ..	Barolo	" "
Mimbelli, G. ..	Leghorn ..	Commune	" "
Montadone, E. ..	Catania ..	Vino di Polifemo	" "
Montadone, E. ..	" ..	Bellini	" "
Montadone, E. ..	" ..	Moscato di Siracusa	" "
Peirano, Cav. Amilcare ..	Genoa ..	Dorato Fino	" "
Peratoner, A., e Figli ..	Catania ..	Vino Bianco Palme	" "
Peratoner, A., e Figli ..	" ..	Moscato	" "
Raciti Fratelli ..	" ..	Cardello	" "
Sartoris, R., e Co. ..	Turin ..	Moscato Passito d'Asti	" "
Scala, P. ..	Naples ..	Palerno Rosso	" "
Scala, P. ..	" ..	Falerno Bianco	" "
Scala, P. ..	" ..	Capri Bianco	" 1860
Scala, P. ..	" ..	Greco Gorace	" not given
Scala, G. ..	" ..	Falerno Bianco	" "
Scala, G. ..	" ..	Lachryma Christi	" "
Scala, G. ..	" ..	Moscato di Siracusa	" "
Secco Fratelli ..	Ceva Cuneo ..	Roascio	" 1875
Società Enologica Partenopea ..	Naples ..	Vino Pompei	" not given
Società Enologica Partenopea ..	" ..	Palermo Rosso	" "
Società Enologica Partenopea ..	" ..	Falerno Bianco	" "
Società Enologica Partenopea ..	" ..	Vino Pompei	" "
Società Enologica Partenopea ..	" ..	Lachryma Spumante	" "
Società Enologica "La Sicilia" ..	Acireale ..	Jonio	" "
Società Enologica "La Sicilia" ..	" ..	Sherry	" "

Società Enologica "La Sicilia"	..	Acireale	..	Madera dell'Etna	Vintage not given
Società Enologica "La Sicilia"	..	"	..	Moscato dell'Etna	" "
Società Casteldaccia	..	Palermo	..	Malaga di Sicilia	" "
Strutt, A.	..	Rome	..	Vino di Civita Lavinia	.. 1877
Tritta, Domenico	..	Trani	..	Zagerese	.. not given
Unione, Enofila..	..	Asti	..	Barbera	" "
Unione, Enofila..	..	"	..	Passito	" "

FIFTH ORDER OF MERIT—CERTIFICATE.

Arrighetti, Marco	..	Florence	..	Chianti Vecchio	Vintage not given
Audiffredi, V., e Co.	..	Turin	..	Pecetto	" "
Audiffredi, V., e Co.	..	"	..	Moscato d'Asti Spumante	.. 1878
Barone, G., e Figli	..	Trani	..	White wine	.. 1877
Caprani, G. Augusto	..	Naples	..	Superior old Marsala	.. 1878
Da Schio, Conti Fratelli	..	Vicenza	..	Custozza	.. not given
Debenedetti, Claudio Cesare	..	Cuneo	..	Barolo Culto	" "
De Col e Co.	..	Milazzo	..	Coupage	" "
De Col e Co.	..	"	..	Malvasia	.. 1878
De Salvo, Salvatore, e Figli	..	Catania	..	Lacryma Christi Bianco	" "
De Salvo, Salvatore, e Figli	..	"	..	L'Amniste de Victor Hugo	" "
Douglas, Conte Scotti da Vigoleno	..	Rome	..	Gragnanino	.. 1877
Gagna, Prof. Cav., e Cugini	..	Montforte-Alba	..	Borolo primo topo	.. 1873
Gagna, Prof. Cav., e Cugini	..	"	..	Dulcetto Finisimo, Amaro	.. 1877
Gagna, Prof. Cav., e Cugini	..	"	..	Barolo primo topo	.. 1874
Gagna, Prof. Cav., e Cugini	..	"	..	"	.. 1876
Galli, A., e Figli	..	Soragna	..	Malvasia	.. 1878
Genta, Giovanni	..	Turin	..	Barolo	.. not given
Gianoli, Cav. C. A.	..	Ghemme	..	Ghemme	.. 1865
Giustetti e Co.	..	Turin	..	Nebbiolo	.. not given
Giustetti, Isidoro	..	"	..	Passito	.. 1877
Guerrieri, C.	..	Castel S. Pietro	..	Carbinet di Dozza	.. 1876
Guffanti, A.	..	Rovescala	..	Claret	.. 1878
Guffanti, A.	..	"	..	Piemonte	.. 1877
Manzi, A.	..	Naples	..	Falerno Rosso	.. not given
Manzi, A.	..	"	..	" Bianco	.. 1877
Marstaller, Zublin e Co.	..	Bari	..	Red wine	.. not given
Marstaller, Zublin e Co.	..	"	..	Barletta Nero	" "
Marstaller, Zublin e Co.	..	"	..	Bisceglia Puglia	" "
Masserano e Co.	..	Biella	..	Passito	.. 1877
Masserano e Co.	..	"	..	Vino Passito Bianco	.. 1878
Metzger, Davide	..	Asti	..	Barbera	.. not given
Metzger, Davide	..	"	..	Asti Bianco Secco Spumante	" "
Minutillo, Pasquale	..	Bari	..	Red wine	" "
Monbello, C.	..	Asti	..	Barbera	.. not given
Montadone, E.	..	Catania	..	St. Agata	.. 1878
Montadone, E.	..	"	..	Calipso	" "
Montadone, E.	..	"	..	Vino Dei Ciclopi	" "
Montadone, E.	..	"	..	Benedettino	" "
Montadone, E.	..	"	..	Malvasia di Lipari	" "
Pantalano, M.	..	Naples	..	Campo	.. 1876
Pantalano, M.	..	"	..	Citaro	.. 1877
Papadopoli, Conti N. e A.	..	Venice	..	Borgogna S. Giorgio	.. 1876
Pastore, F. e C., Flli.	..	Borgo Manero	..	Gattinara	.. not given
Righetti, E.	..	Modena	..	Vino del Secchia	" "
Ruffi e Tosi	..	Rimini	..	Sangiovese	" "
Sagramoso, Conte P.	..	Verona	..	Valpolicella	.. 1876
Salomone, A.	..	Mondovi	..	Caluso	.. 1877
Sartoris, R., e Co.	..	Turin	..	Barolo	.. not given
Scala, P.	..	Naples	..	Lachryma Christi Rosso	" "
Scala, P.	..	"	..	Capri Rosso	" "
Scala, P.	..	"	..	Gragnano Rosso	" "
Scala, P.	..	"	..	Capri Rosso	" "
Scala, P.	..	"	..	Lacryma Spumante	.. 1878

Scala, P.	..	..	Naples..	..	Lacryma Christi	Vintage 1877
Scala, G.	..	..	"	..	" " Rosso	" not given
Scala, G.	..	..	"	..	Greco Gerace	" 1878
Secco Fratelli	..	..	Ceva	..	Roascio	" 1875
Secco Fratelli	..	..	"	..	"	" 1877
Secco Fratelli	..	..	"	..	"	" 1876
Società Casteldaccia	..	..	Palermo	..	Corvo Rosso	" not given
Società Casteldaccia	..	..	"	..	"	" "
Società Enologica Partenopea	..	..	Naples..	..	Serino	" "
Società Enologica Partenopea	..	..	"	..	Irpino	" "
Società Enologica Partenopea	..	..	"	..	Capri	" "
Società Enologica Partenopea	..	..	"	..	Sorrento Rosso	" "
Società Enologica Partenopea	..	..	"	..	Lacryma Christi Bianco	" 1878
Società Enologica "La Sicilia"	..	..	Acireale	..	Marsala	" "
Strutt, A.	..	..	Rome	..	Vino di Civita Lavinia	" 1876
Strutt, A.	..	..	"	..	" "	" 1878
Strutt, A.	..	..	"	..	" "	" 1876
Strutt, A.	..	..	"	..	" "	" 1877
Tanlongo, Comm. Bernardo	..	..	"	..	Vino Rosso da Pasto	" 1878
Tedeschi Rosso, F.	..	..	Catania	..	Red wine	" not given
Tritta, Domenico	..	..	Trani	..	Moscato	" 1878
Unione, Enofila	..	..	Asti	..	" uso Champagne	" "
Unione, Enofila	..	..	"	..	Champagne	" "

Jury Section XXXIVa.—SPIRITS.

FIFTH ORDER OF MERIT.

RUM, IN CASE.		BRANDY, IN CASE.	
Grass, Guglielmo, Modena	certificate	Ulrich, Domenico, Turin	certificate

HONOURABLE MENTION.

ABSINTH.

Malvezzi Fratelli, Rovigo	certificate
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Jury Section XXXIVb.—VERMOUTH WINES.

FIRST ORDER OF MERIT.

Ascione, Salvatore, Naples	bronze	Cinzano, Francesco, e Co., Turin	bronze
Audiffredi, V., e Co., Turin	bronze	Masserano, P., e Co., Biella	bronze
Benedetti, Biagio, Rome	bronze	Sola, Martini, e Co., Turin	bronze
Bergia, Coniugi, Turin	bronze	Unione, Enofila, Asti	bronze
Cerio, Celestino, Udine	bronze	Vittone, Domenico, Milan	bronze
Cerrutti Fratelli, Genoa	bronze	Vittone, Domenico, Milan	bronze

SECOND ORDER OF MERIT.

Bellardi, Domenico, Turin	certificate	Genta, Giovanni, Turin	certificate
Bergia, Coniugi, Turin	certificate	Genta, Giovanni, Turin	certificate
Bertea, Stefano, Turin	certificate	Giustetti, Isidoro, Turin	certificate
Bertello, Luigi, Biella	certificate	Masserano, Pietro, Biella	certificate
Cavallone, Giovanni, Crescentino	certificate	Monbello, Carlo, Asti	certificate
Chinaglia, Vincenzo, San Donà di Piave	certificate	Montini, P., Cav., Fabriano, Rome	certificate
Clerici, Constantino, Milan	certificate	Novello e Fontana, Genoa	certificate
Fabbrica di Liquori di Lesca Giovanni, Turin	certificate	Salomone, A., Mondovi	certificate
Garetti, G., Chivasso, Turin	certificate	Sartoris, R., Turin	certificate
		Sartoris, R., Turin	certificate
		Ulrich, Domenico, Turin	certificate

THIRD ORDER OF MERIT.

Audiffredi, V., e Co., Turin	certificate	Isnardi, Antonio, Genoa	certificate
Ballor, G., e Co., Turin	certificate	Mainero, E., Turin	certificate
Baudino, Evaristo, Turin	certificate	Montini, P., Cav., Rome	certificate
Branca Fratelli, Milan	certificate	Società Enologica "La Sicilia,"	
Cattabriga, M., Badia	certificate	Acireale	certificate
Fabbrica di Liquori di Lesca			
Giovanni, Fabriano, Rome	certificate		

Jury Section XXXIVc.—CORDIALS AND LIQUEURS.

FIRST ORDER OF MERIT.

CURACOA.		RATAFIA.	
Bellardi, D., e Co., Turin	silver	Garetti, G., Chivasso-Turin	bronze
Carofiglio, Gaetano, Bari	silver	Pozzoli, Angelo, Como	bronze
Normand, L., e Figli, Florence	silver		
MARASCHINO.		ROSE LIQUEUR.	
Sola, Martini, e Co., Turin	silver	Bellardi, D., e Co., Turin	bronze
Ulrich, Domenico, Turin	silver		
ANISETTE.		PUNCH.	
Bellardi, D., e Co., Turin	bronze	Cocchi, Francesco, Reggio-Emilia	bronze
Benedetti, B., Rome	bronze	Franceschelli, Antonio, Piacenza	bronze
Galli, A., e Co., Soragno	bronze		
Petrucelli, C., e Co., Bari	bronze	GOLD WATER.	
Ulrich, Domenico, Turin	bronze	Amato Fratelli, Catania	bronze
ALCHERMES.		COSTUME.	
Carofiglio, G., Bari	bronze	Clerici, Constantino, Milan	bronze
Garetti, G., Chivasso-Turin	bronze	Franceschelli, Antonio, Piacenza	bronze
Malvezzi Fratelli, Rovigo	bronze		
Normand, L., e Figli, Florence	bronze	MANDARINO LIQUEURS.	
Vittone, Domenico, Milan	bronze	Ascione, Salvatore, Naples	bronze
ANANAS.		Normand, L., e Figli, Florence	bronze
Garetti, G., Chivasso-Turin	bronze		
Normand, L., e Figli, Florence	bronze	BITTERS.	
CACAO.		Cattabriga, M., Badia	bronze
Normand, L., e Figli, Florence	bronze	Cattabriga, M., Badia	bronze
ELIXIRS.		Clerici, Constantino, Milan	bronze
Cerio, Celestino, Udine	bronze	Fabi, Giuseppe, Rome	bronze
De Sena, Elia, Naples	bronze	Galli, A., e Co., Soragno	bronze
Ghizzoni, L., Piacenza	bronze	Giustetti, Isidoro, Turin	bronze
Ghizzoni, L., Piacenza	bronze	Novello e Fontana, Genoa	bronze
CHARTREUSE.		Pozzoli, Angelo, Como	bronze
Bertea, Stefano, Turin	bronze	Società Enologica "La Sicilia,"	
Ulrich, Domenico, Turin	bronze	Acireale	bronze
Ulrich, Domenico, Turin	bronze	Sola, Martini, e Co., Turin	bronze
PEPPERMINT.		Ulrich, Domenico, Turin	bronze
Normand, L., e Figli, Florence	bronze		
SECOND ORDER OF MERIT.		CREME DE CHOCOLAT.	
CURACOA.		Franceschelli, Antonio, Piacenza	bronze
Biseo, Luigi, Sarnico	certificate	MISCELLANEOUS LIQUEURS.	
Sola, Martini, e Co., Turin	certificate	Amato Fratelli, Catania	bronze
		Ballor, Giuseppe, Turin	bronze
		Bronchelli, Luigi, Pisa	bronze
		Eboli, Niccola, Bari	bronze
		MARASCHINO.	
		Montini, Pasquale, Fabriano, Rome	certificate

ALCHERMES.

Giacobini, Cariolano, Fano	certificate
Musi, Luigi, Bologna	certificate
Pulzoni, Ercole, Piacenza	certificate
Scandolera, Giovanni, e Co., Modena	certificate
Ulrich, Domenico, Turin	certificate

VANILLE.

Musi, Luigi, Bologna	certificate
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ANANAS.

Ballor, G., e Co., Turin	certificate
Bellardi, Domenico, e Co., Turin	certificate

CACAO.

Vittone, Domenico, Milan	certificate
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ELIXIRS.

Bellardi, Domenico, e Co., Turin	certificate
Branca Fratelli, Milan	certificate
Branca Fratelli, Milan	certificate
Montini, Pasquale, Fabriano, Rome	certificate
Ulrich, Domenico, Turin	certificate

CHARTREUSE.

Bertea, Stefano, Turin	certificate
Montini, Pasquale, Fabriano, Rome	certificate
Montini, Pasquale, Fabriano, Rome	certificate

PEPPERMINT.

Franceschelli, Antonio, Piacenza	certificate
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RATAFIA.

Masserano, P., e Co., Biella	certificate
Vittone, Domenico, Milan	certificate

ROSE LIQUEUR.

Normand, L., e Figli, Florence	certificate
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PUNCH.

Bellardi, D., e Co., Turin	certificate
Sola, Martini, e Co., Turin	certificate

COSTUME.

Brenna, Santo, Como	certificate
Genta, Giovanni, Turin	certificate

MANDARINO LIQUEUR.

Amato Fratelli, Catania	certificate
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COFFEE LIQUEUR.

Genta, Giovanni, Turin	certificate
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BENEDICTINE.

Benedetti, B., Rome	certificate
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GINGERETTE.

Branca Fratelli, Milan	certificate
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FRAMBOISE.

Garetti, G., Chivasso, Turin	certificate
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CREME DE CHOCOLAT.

Giacobini, Cariolano, Fano	certificate
Pulzoni, Ercole, Piacenza	certificate

CREME DE MOCHA.

Normand, L., e Figli, Florence	certificate
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BITTERS.

Armenise, Pier D., Bari	certificate
Baudino, E., Piossasco-Turin	certificate
Bertello, Luigi, Biella	certificate
Brenna, Santo, Como	certificate
Brenna, Santo, Como	certificate
Clerici, Constantino, Milan	certificate
Clerici, Constantino, Milan	certificate
Lesca, Giovanni, Turin	certificate
Mainero, Ermenegildo, Turin	certificate
Manzi, A., Naples	certificate
Società Enologica "La Sicilia," Acireale	certificate
Spada, L., Rome	certificate
Ulrich, Domenico, Turin	certificate

MISCELLANEOUS LIQUEURS.

Armenise, Pier D., Bari	certificate
Armenise, Pier D., Bari	certificate
Barattucci, Giulio, Chieti	certificate
Branca Fratelli, Milan	certificate
Carofiglio, Gaetano, Bari	certificate
Dal Medico, B., Padua	certificate
De Sena, Elia, Naples	certificate
Giacobini, Cariolano, Fano	certificate
Grassi, Guglielmo, Modena	certificate
Malvezzi Fratelli, Rovigo	certificate
Musi, Luigi, Bologna	certificate
Pesoli, Domenico, Rome	certificate
Pressante, G., Teramo	certificate
Sartoris, R., e Co., Turin	certificate
Sola, Martini, e Co., Turin	certificate
Sola, Martini, e Co., Turin	certificate

HONOURABLE MENTION.**MINERAL WATERS.**

D'Emilio, L., Naples	certificate
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Jury Section XXXV.—BEERS.**FIRST ORDER OF MERIT.****BEER, BOTTLED.**

Metzger Fratelli, Asti	bronze
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Jury Section XXXVII.—WEAVING, SEWING, AND PRINTING MACHINERY.

FIRST ORDER OF MERIT.

METAL CAPSULES.		GOLDSMITHS' MACHINERY.	
Mazzini, Marchesi, Fratelli, Milan	bronze	Mino, G. B., e Figli, Alexandria	bronze

SECOND ORDER OF MERIT.

CARDS FOR WEAVING MACHINES.

Négri e Franconi, Milan	certificate
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LADIES' JURY.

FIRST ORDER OF MERIT.

EMBROIDERY ON SILK AND SATIN.		KNITTED, CROCHET, AND PATCH-	
Sarfatti, Clara, Venice	certificate	WORK QUILTS.	
GOLD AND COLOURED EMBROIDERIES.		Carlini, Signora, Catania	certificate
Di Lenna, Teresa, Udine	certificate		

JAPAN.

Jury Section II.—SCULPTURE, BRONZES, &c.

FIRST ORDER OF MERIT.

BRONZES.

Marunaka, M., Kanazawa gold

SECOND ORDER OF MERIT.

BRONZES.

Kiri-Kosho Kuwaisha, Tokio certificate | Saito, Z., Tokio certificate

THIRD ORDER OF MERIT.

BRONZES.

Kiri-Kosho Kuwaisha and Akiyama, T., Tokio certificate
 Sanseisha, —, Tokio certificate

FOURTH ORDER OF MERIT.

BRONZES.

Shoami, Y., Okayama certificate

Jury Section III.—EDUCATION.

FIRST ORDER OF MERIT.

EDUCATIONAL EXHIBITS.

Mombusho (Department of Public Instruction), Tokio

(1)

MAPS.

Chirikioku (Board of Land and Survey), Tokio

(1)

Jury Section IV.—PRINTING, BOOKS, STATIONERY.

FIRST ORDER OF MERIT.

BLACK PRINTING INK.

Government Printing Office, Tokio

(2)

PAPER, VARIOUS.

Government Printing Office, Tokio

(2)

COLOURED PRINTING INK.

Government Printing Office, Tokio

(2)

THIRD ORDER OF MERIT.

PUBLICATIONS.

Government Printing Office, Tokio certificate

INDIA INK AND BRUSHES.

Ishigami, G., Osaka
 Nomura, W., Tokio

certificate
certificate

(1) Certificate equal to gold.

(2) Certificate equal to silver.

FOURTH ORDER OF MERIT.

INDIA INK FOR WATER-COLOUR PAINTING.

Government Printing Office, Tokio

certificate

FIFTH ORDER OF MERIT.

PENCILS.

Koike, W., Tokio

certificate

Jury Section VII.—MEDICINE, HYGIENE, AND PUBLIC RELIEF.

SECOND ORDER OF MERIT.

ANATOMICAL DESIGN.

Mombusho (Department of Public Instruction), Tokio

certificate

Jury Section IX.—FURNITURE AND ACCESSORIES.

SECOND ORDER OF MERIT.

SILK CARPETINGS AND COVERING.

Mitsui and Co., Tokio

certificate

THIRD ORDER OF MERIT.

FANCY BLINDS.

Naka, S., Osaka

certificate

FOURTH ORDER OF MERIT.

JAPANESE CARPETING AND MATTING.

Kiri-Kosho Kuwaisha and Aki-
yama, T., Tokio

certificate

IMITATION OF LEATHER.

Government Printing Office, Tokio

certificate

Jury Section X.—GLASS AND POTTERY.

SECOND ORDER OF MERIT.

POTTERY.

Akiyama, T., Tokio

certificate

THIRD ORDER OF MERIT.

POTTERY.

Miyagawa, K., Kanazawa

certificate

FOURTH ORDER OF MERIT.

POTTERY.

Marunaka, M., Kanazawa

certificate

FIFTH ORDER OF MERIT.

POTTERY.

Hiochiyen, —, Tokio

certificate

Kiri-Kosho Kuwaisha, Tokio

certificate

Koransha, —, Yokohama

certificate

Jury Section XI.—JEWELLERY AND SILVERSMITHS' WORK.

FIRST ORDER OF MERIT.

CLOISONNE ENAMEL.

Kiri-Kosho Kuwaisha and Akiyama, T., Tokio silver

SECOND ORDER OF MERIT.

GOLDSMITHS' AND SILVERSMITHS' WORK.

Kiri-Kosho Kuwaisha, Tokio certificate | Saito, Z., Tokio certificate

THIRD ORDER OF MERIT.

GOLDSMITHS' AND SILVERSMITHS' WORK.

Shippogaisha, Nagoya certificate

Jury Section XII.—CIVIL ENGINEERING, PUBLIC WORKS.

FIRST ORDER OF MERIT.

NEW SAFETY MATCHES.

Shinsuisha, Tokio silver

Jury Section XIII. and XXII.—CHEMICAL AND PHARMACEUTICAL PRODUCTS.

SECOND ORDER OF MERIT.

GLUE.

Wooyesugi, S., Osaka certificate

THIRD ORDER OF MERIT.

MINERAL ACIDS.

Government Mint, Osaka certificate

SOAP AND BLACKING.

Government Printing Office, Tokio certificate

HONOURABLE MENTION.

CANDLES.

Kiri-Kosho Kuwaisha and Akiyama, T., Tokio certificate

DYED SILK.

Kiri-Kosho Kuwaisha and Akiyama, T., Tokio certificate

Jury Section XIV.—LEATHER WORK, AND FANCY ARTICLES.

FIRST ORDER OF MERIT.

LACQUERED WARE.

Arai, H., Tokio bronze
Kiri-Kosho Kuwaisha, Tokio bronze
Shioda, M., Tokio bronze

BASKET AND STRAW WORK.

Nishimura, T., Ohmi bronze

SECOND ORDER OF MERIT.

LACQUERED WARE.

Minoda, C., Yokohama certificate
Ohseki, S., Yokohama certificate

Ohta, M., Tokio

Seikōsha, Tokio

certificate

certificate

THIRD ORDER OF MERIT.

LACQUERED WARE.

Kiriū-Kosho Kuwaisha and Akiyama, T., Tokio certificate

FOURTH ORDER OF MERIT.

BASKET AND STRAW WORK.

Yanaida, W., Osaka certificate

MECHANICAL TOYS.

Kiriū-Kosho Kuwaisha and Akiyama, T., Tokio certificate

FIFTH ORDER OF MERIT.

LACQUERED WARES.

Nishiwaki, C., Wakasa certificate

BASKET AND STRAW WORK.

Kiriū-Kosho Kuwaisha and Akiyama, T., Tokio certificate

Jury Section XV.—COTTON, FLAX, HEMP, CLOTHING, &c.

FOURTH ORDER OF MERIT.

PAPER CLOTH.

Watanaba, S., Iwashiro certificate

DRESSING-GOWNS.

Shiino, S., Yokohama certificate

FANS.

Yasuda, Y., Osaka certificate

Jury Section XVI.—WORSTED AND WOOLLEN GOODS.

FIFTH ORDER OF MERIT.

WOOLLEN CLOTH.

Kuwannō-Kiyoku (Board of Agriculture), Tokio certificate

Jury Section XVII.—SILK AND LACE.

FIRST ORDER OF MERIT.

RAW SILK.

Kuwannō-Kiyoku (Board of Agriculture), Tokio (2)

SECOND ORDER OF MERIT.

FILATURE SILK, RAW.

Chiogiosha, Musashi certificate

Hagiwara, M., Gummaken certificate

Hasegawa, H., Shinano certificate

Kanazawa Silk Filature Company, Kanazawa certificate

Kengiosha, Gummaken certificate

Local Government of Naganoken, Naganoken certificate

Nihonmatsu Filature Company, Miyagiken certificate

Rokkosha, Naganoken certificate

Seki, K., Naganoken certificate

Sugimoto, M., Kanazawa certificate

Takahashi, H., Naganoken certificate

Tōkōsha, Naganoken certificate

Yonezawa Filatory, Yamagataken certificate

RAW SILK.

Hikawa Raw Silk Manufacturing Company, Kozuke certificate

Hikone Filature Factory, Shigaken certificate

Katsuyama, S., Gummaken certificate

Katsuyama Filatory, Kanazawa certificate

Kuwannō-Kiyoku (Board of Agriculture), Tokio certificate

FILATURE SILK.

Hoshino, C., Kozuke certificate

Itō, K., Miyeken certificate

FILATURE SILK, HAND-REELED.

Seishigensha, Gummaken certificate

SHAWLS.

Kiriū-Kosho Kuwaisha and Akiyama T., Tokio certificate

Midzushima, S., Tokio certificate

THIRD ORDER OF MERIT.**SHAWLS.**

Shiino, S., Yokohama

certificate

Jury Section XIX.—PRODUCE OF FORESTS.**FIRST ORDER OF MERIT.****SPECIMENS OF FOREST TREES.**

Sanrin Kioku (Bureau of Forests), Tokio

(2)

THIRD ORDER OF MERIT.**SPECIMENS DIFFERENT FOREST TREES.**Mombusho (Department of Public Instruction),
Tokio

certificate

FOURTH ORDER OF MERIT.**SPECIMENS OF FOREST TREES OF YESSO.**Kaita-Kushi (Department for the Colonisation
of the Island of Yesso)

certificate

**Jury Section XX.—AGRICULTURAL PRODUCTS, NOT USED
FOR FOOD.****FIRST ORDER OF MERIT.****SPECIMENS OF COCOONS.**

Kuwannō-Kiyoku (Board of Agriculture), Tokio

(2)

SECOND ORDER OF MERIT.**LEAF TOBACCOS.**Kojimo, G., Yokohama
Kokaji, K., Shigakencertificate
certificateKuwannō-Kiyoku (Board of Agri-
culture), Tokio
Tchichibuiya, T., Tokiocertificate
certificate**THIRD ORDER OF MERIT.****GUM, RESIN, AND WAX.**

Kogio Shokuwai, Tokio

certificate | Nakamura, K., Shigaken

certificate

FIFTH ORDER OF MERIT.**CIGARETTES.**

Tachibana, N., Tokio

certificate

CIGARS.

Noda, D., Tokio

certificate

**Jury Section XXVIII.—RAILWAYS, MINING, AND
METALLURGY.****SECOND ORDER OF MERIT.****MINERALS.**

Sugimura, J., Shigaken

certificate

(2) Certificate equal to silver.

THIRD ORDER OF MERIT.

MINERALS.

Mombusho (Department of Public Instruction),
Tokio

certificate

Jury Section XXX.—NAVIGATION.

THIRD ORDER OF MERIT.

SPUN YARNS OF SHURO FIBRE.

Akagawa, H., Osaka

certificate

FOURTH ORDER OF MERIT.

SPUN YARNS OF SHURO FIBRE.

Kiri-Kosho Kuwaisha, Tokio

certificate

Jury Section XXXI. and XXXII.—CEREALS, CONDIMENTS,
AND STIMULANTS.

FIRST ORDER OF MERIT.

UNCOLOURED GREEN TEA.
Kida, Z., Ohmi

silver

RICE, PREPARED AND UNPREPARED.
Asakusa, Seimaijio, Tokio

silver

SECOND ORDER OF MERIT.

SOUCHONG TEA.
Konkon Sha, Kochi

certificate

CONGOU TEA.
Konkon Sha, Kochi

certificate

THIRD ORDER OF MERIT.

PEKOES, TEA.
Yamamota, M., Shigaken

certificate

Kanbayashi and Okura, Tokio

certificate

Seiko Sha, Fuknoka

certificate

Shiraruhi Sha, Kumamota

certificate

Yamamota, M., Shigaken

certificate

Yamamota, M., Shigaken

certificate

Yamamota, M., Shigaken

certificate

SOUCHONG TEA.
Kuwannō-Kiyoku (Board of Agri-
culture), Tokio

certificate

Kuwannō-Kiyoku (Board of Agri-
culture), Tokio

certificate

Kuwannō-Kiyoku (Board of Agri-
culture), Tokio

certificate

Kuwannō-Kiyoku (Board of Agri-
culture), Tokio

certificate

Kuwannō-Kiyoku (Board of Agri-
culture), Tokio

certificate

BROKEN TEA AND FANNINGS.

Seiko Sha, Fuknoka

certificate

UNCOLOURED GREEN TEAS.

Kuwannō-Kiyoku (Board of Agri-
culture), Tokio

certificate

Jury Section XXXVI.—HORTICULTURE, CONSERVATORIES.

FIRST ORDER OF MERIT.

JAPANESE FLOWER, VEGETABLE, FRUIT, AND
OTHER SEEDS.

Kuwannō-Kiyoku (Board of Agriculture), Tokio

(2)

(2) Certificate equal to silver.

MINOR COURTS.

CHINA.

Jury Section XIV.—LEATHER WORK AND FANCY ARTICLES.

SECOND ORDER OF MERIT.

FANCY ARTICLES.

Pugh, E. A., Hong Kong

certificate

Jury Section XV.—COTTON, FLAX, HEMP, CLOTHING, &c.

FOURTH ORDER OF MERIT.

FELT GOODS.

Knight, Bandinel and Co., Newchwang

certificate

Jury Section XVII.—SILK AND LACE.

FIRST ORDER OF MERIT.

EMBROIDERY.

Pugh, E. A., Hong Kong

bronze

EMBOSSED SILK QUILT.

Cheong, Wilson and Co., Foo Chow

bronze

Jury Section XX.—AGRICULTURAL PRODUCTS, NOT USED FOR FOOD.

SECOND ORDER OF MERIT.

FLAX AND HEMP.

Knight, Bandinel and Co., Newchwang

certificate

THIRD ORDER OF MERIT.

OILS.

Knight, Bandinel and Co., Newchwang

certificate

JAPAN.

Jury Section III.—EDUCATION.

SECOND ORDER OF MERIT.

MAPS.

Singleton and Co., Tokio

certificate

Jury Section IV.—PRINTING, BOOKS, STATIONERY.**SECOND ORDER OF MERIT.**

DOCUMENT, TISSUE, SERVIETTE, AND OTHER PAPERS.

Fusiyama Co. (T. A. Singleton, Manager),

Fusiyama

certificate

THIRD ORDER OF MERIT.

INDIA INK AND BRUSHES.

Nakamura, Saemon, Tokio

certificate

Jury Section V.—PHOTOGRAPHIC PROOFS AND APPARATUS.**SECOND ORDER OF MERIT.**

LANDSCAPE AND BUILDING PHOTOGRAPHS.

Stillfried and Anderson, Tokio

certificate

PORTUGAL.**Jury Section XXXIV.—WINES.****SECOND ORDER OF MERIT.—CERTIFICATE.**

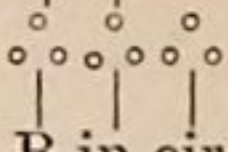
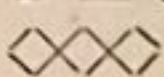
Guedes, Miguel de Souza	Oporto	..	White port	Vintage VB (conjld.) P
Guedes, Miguel de Souza	"	..	"	" W ^o o
Guedes, Miguel de Souza	"	..	"	" V ^o o
Guedes, Miguel de Souza	"	..	Red port	" ^o ₁ ^o ₂ ^o ₃ ^o ₄ ^o ₅ ^o ₆ ^o ₇ ^o ₈ ^o ₉ ^o ₁₀

THIRD ORDER OF MERIT.—CERTIFICATE.

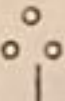
Andresen, J. H. . .	..	Oporto	..	White port	Vintage M
Andresen, J. H. . .	..	"	..	"	" "
Andresen, J. H. . .	..	"	..	"	" VB (conjld.) S
Andresen, J. H. . .	..	"	..	"	" "
Andresen, J. H. . .	..	"	..	"	" "
Guedes, Miguel de Souza	"	"	..	"	" "
Guedes, Miguel de Souza	"	"	..	"	" M
Guedes, Miguel de Souza	"	"	..	Red port	" ^o ₁ ^o ₂ ^o ₃ ^o ₄ ^o ₅ ^o ₆ ^o ₇ ^o ₈ ^o ₉ ^o ₁₀
Guedes, Miguel de Souza	"	"	..	"	" ^o ₁ ^o ₂ ^o ₃ ^o ₄ ^o ₅ ^o ₆ ^o ₇ ^o ₈ ^o ₉ ^o ₁₀

FOURTH ORDER OF MERIT.—CERTIFICATE.

Andresen, J. H. . .	..	Oporto	..	White port	Vintage ^o ₁ ^o ₂ ^o ₃ ^o ₄ ^o ₅ ^o ₆ ^o ₇ ^o ₈ ^o ₉ ^o ₁₀
Andresen, J. H. . .	..	"	..	"	" not given
Andresen, J. H. . .	..	"	..	"	" "
Andresen, J. H. . .	..	"	..	"	" "
Andresen, J. H. . .	..	"	..	"	" "
Andresen, J. H. . .	..	"	..	Red port	" "
Andresen, J. H. . .	..	"	..	"	" "
Guedes, Miguel de Souza	"	"	..	White port	" VW (cojld.) ^o ₁ ^o ₂ ^o ₃ ^o ₄ ^o ₅ ^o ₆ ^o ₇ ^o ₈ ^o ₉ ^o ₁₀

Guedes, Miguel de Souza	Oporto	..	Red port	Vintage 1870
Guedes, Miguel de Souza	"	..	"	" 1875
Guedes, Miguel de Souza	"	..	"	" 1878
Guedes, Miguel de Souza	"	..	"	" 1863
Guedes, Miguel de Souza	"	..	"	" 
Guedes, Miguel de Souza	"	..	"	" 
Guedes, Miguel de Souza	"	..	Superior red port	" B in circle
Hesselink, Hermanos & Co.	Spain	..	Red port	" 

FIFTH ORDER OF MERIT.—CERTIFICATE.

Guedes, Miguel de Souza	Oporto	..	Red port	Vintage 
Hesselink, Hermanos & Co.	Spain	..	" (superior)	" not given

SCANDINAVIA.

Jury Section I.—FINE ARTS.

THIRD ORDER OF MERIT.

LITHOGRAPHY, ARTISTIC AND COMMERCIAL.

Were, J. B., Melbourne

certificate

Jury Section XII.—CIVIL ENGINEERING, PUBLIC WORKS.

FIRST ORDER OF MERIT.

MATCHES, SAFETY AND OTHERS.

New Safety Match Manufacturing Co., Stockholm,
Sweden

silver

Jury Section XIII. and XXII.—CHEMICAL AND PHARMACEUTICAL PRODUCTS.

FIRST ORDER OF MERIT.

RENNET EXTRACT, AND BUTTER AND CHEESE COLOUR.

Meyer and Henckel, Denmark

bronze

Jury Section XXXIII.—MEAT AND FISH.

FIRST ORDER OF MERIT.

FISH PUDDINGS AND FISH PRESERVED.

Stavanger Preserving Co.

bronze

Jury Section XXXIVc.—CORDIALS AND LIQUEURS.

SECOND ORDER OF MERIT.

CACAO.

Andersen, A., Slogelse

certificate

HONEY PUNCH AND TABLE MEAD.

Andersen A., Slogelse

certificate

Jury Section XXXV.—BEERS.**FIRST ORDER OF MERIT.****EXTRA BROWN BOTTLED ALES, QUARTS.**

Christiana Arctic Brewery, Christiana bronze | Hamar Brewery, Christiana bronze

SECOND ORDER OF MERIT.**DARK BROWN BOTTLED ALE.**

Christiana Arctic Brewery, Christiana certificate

SPAIN.**Jury Section XX.—AGRICULTURAL PRODUCTS, NOT USED FOR FOOD.****FIRST ORDER OF MERIT.****HEMP AND FIBRES.**

Macleod and Co., Manilla silver

Jury Section XXXIV.—WINES.**SECOND ORDER OF MERIT—CERTIFICATE.**

Tueson, J., and Co.	..	Spain ..	..	Superior Amontilado	Vintage 1869
Tueson, J., and Co.	..	" ..	..	Golden sherry	" 1870
Tueson, J., and Co.	..	" ..	..	Jerez Fino	" "
Tueson, J., and Co.	..	" ..	..	Manzanilla	" 1874

THIRD ORDER OF MERIT—CERTIFICATE.

Hesselink, Hermanos & Co.	Spain ..	..	Sherry	Vintage not given
Hesselink, Hermanos & Co.	" ..	..	Brown sherry	" "
Hesselink, Hermanos & Co.	" ..	..	Old East India sherry	" "
Hesselink, Hermanos & Co.	" ..	..	Amontilado	" "
Tueson, J., and Co.	" ..	..	Sherry	" 1871

FOURTH ORDER OF MERIT—CERTIFICATE.

Hesselink, Hermanos & Co.	Spain ..	..	Golden sherry	Vintage not given
Hesselink, Hermanos & Co.	" ..	..	Pajarete	" "
Tueson, J., and Co.	" ..	..	Pedro Ximenes	" 1872

FIFTH ORDER OF MERIT—CERTIFICATE.

Hesselink, Hermanos & Co.	Spain ..	..	Malaga	Vintage not given
Tueson, J., and Co.	" ..	..	Muscatel Solera	" "
Tueson, J., and Co.	" ..	..	Superior Burdeos	" "

TURKEY.**Jury Section XIV.—LEATHERWORK AND FANCY ARTICLES.****FOURTH ORDER OF MERIT.****FANCY ARTICLES IN WOOD AND IVORY.**

Bichara, Michel and Co., Jerusalem certificate

NETHERLANDS.

Jury Section I.—FINE ARTS.

FIRST ORDER OF MERIT.

ILLUSTRATED ADDRESS AND PEN AND INK DRAWING.

Grevenstuk, Anthony, Amsterdam silver

SECOND ORDER OF MERIT.

ENGRAVED AND LITHOGRAPHED MAPS.

Gouvernement van Nederlandsch
Indië, Batavia certificate

OLEO, LITHO, AND CHROMO-TYPO- GRAPHS.

Jan, Leendertz, Amsterdam certificate

OIL PAINTINGS.

Mesdag, H. W., The Hague certificate
Mesdag, Mevrouw, The Hague certificate
Van Bosse, Mej., The Hague certificate

THIRD ORDER OF MERIT.

OIL PAINTINGS.

Schwartz, Thérèse, Mej.	certificate	Van der Berg, S., The Hague	certificate
Taanman, J., Amsterdam	certificate	Van de Sande Bakhuizen, Mej. G.,	
Van Essen, Jan, Amsterdam	certificate	The Hague	certificate

Jury Section II.—SCULPTURE, BRONZES, &c.

THIRD ORDER OF MERIT.

TERRA-COTTA.

Quellinus School, Amsterdam certificate

Jury Section III.—EDUCATION.

FIRST ORDER OF MERIT.

MAPS.

Gouvernement van Nederlandsch Indië, Batavia (1)

THIRD ORDER OF MERIT.

INSTRUCTION IN THE NETHERLANDS.

Steijn Parvé, D. J., Leyden certificate

TECHNICAL AND SPECIAL SCHOOLS.

Ambachtschool, Amsterdam certificate

MAPS.

Zimmerman, G. P. H., Leeuwarden certificate

SCHOOL APPLIANCES.

Loosjes, De Erven, Haarlem certificate

(1) Certificate equal to gold.

Jury Section IV.—PRINTING, BOOKS, STATIONERY.**FIRST ORDER OF MERIT.****PUBLICATIONS.**

Jan, Leendertz, Amsterdam bronze

SECOND ORDER OF MERIT.**PUBLICATIONS.**

Hoola van Nooten, Bertha, Batavia certificate

THIRD ORDER OF MERIT.**PUBLICATIONS.**

Loosjes, De Erven, Haarlem	certificate		Van der Burg, A. R. en P. Brs., Rotterdam	certificate
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FOURTH ORDER OF MERIT.**PUBLICATIONS.**

Nederlandsche, Maatschappij ter, Bevordering
van Nijverheid, Haarlem certificate

Jury Section VII.—MEDICINE, HYGIENE, AND PUBLIC RELIEF.**SECOND ORDER OF MERIT.****FRAME AND HAND-BARROW FOR TRANSPORTING
WOUNDED AND SICK PERSONS.**

Bosch, B. J. R., Gorinchem certificate

Jury Section VIII.—CLOCKS AND WATCHES.**THIRD ORDER OF MERIT.****ASTRONOMICAL, SURVEYING, AND NAUTICAL
INSTRUMENTS.**

Holsboer, B., Arnheim certificate

Jury Section IX.—FURNITURE AND ACCESSORIES.**FIRST ORDER OF MERIT.****IMITATION MARBLE AND WOOD.**

Van den Burg, P., Schiedam	silver		Van den Burg, M., Schiedam	silver
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SECOND ORDER OF MERIT.**IMITATION MARBLE AND WOOD.**

Guldemon, M. E., Kockengen	certificate		Van Hemert, C. C., Rotterdam	certificate
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THIRD ORDER OF MERIT.**IMITATION MARBLE AND WOOD.**

Kieffer, G. W., Leeuwarden certificate

FOURTH ORDER OF MERIT.**DUTCH CARPETS.**

Van Leer, B., Amersfoort certificate

Jury Section X.—GLASS AND POTTERY.

FIRST ORDER OF MERIT.

WINDOW-GLASS AND MIRRORS.

Koninklijke Nederlandsche Fabrik van Gebogen
Glas, Dordrecht

silver

Jury Section XI.—JEWELLERY AND SILVERSMITHS' WORK.

THIRD ORDER OF MERIT.

GOLD AND SILVER JEWELLERY.

Citroen, J. B., Amsterdam

certificate

Jury Section XII.—CIVIL ENGINEERING, PUBLIC WORKS.

SECOND ORDER OF MERIT.

MATCHES.

Hoogendyk, Fromberg en Co., Apeldoorn

certificate

HONOURABLE MENTION.

CHARCOAL FUEL.

Amsterdamsche Briquetten Fabriek, Amsterdam

certificate

Jury Section XIII. & XXII.—CHEMICAL AND PHARMACEUTICAL PRODUCTS.

FIRST ORDER OF MERIT.

ZINC, WHITE.

Rocourt, G., Ysden

silver

LUBRICATING OILS.

Kruysmulder, D., en Zoon, Amsterdam

bronze

PERFUMES.

Boldoot, J. C., Amsterdam

silver

DYED YARN.

Swinkels, W., Helmond

bronze

TOILET SOAPS.

Sanders en Co., Leyden

silver

PERFUMERY.

Maison Neuve, Delft

silver

DRY PAINTS FROM IRON ORES.

Leur en Co., Schoten, near Haarlem

bronze

SECOND ORDER OF MERIT.

LAUNDRY BLUE.

Van Dekker, Jan, Wormerveer

certificate

THIRD ORDER OF MERIT.

MAIZE OIL.

Nederlandsche gist en Spiritus Fabriek, Delft

certificate

Jury Section XIV.—LEATHERWORK AND FANCY ARTICLES.

SECOND ORDER OF MERIT.

PIPES.

Prince, J., en Co., Gouda

certificate

Jury Section XV.—COTTON, FLAX, HEMP, CLOTHING, &c.**THIRD ORDER OF MERIT.****DOWN QUILTS.**

Veltman en Co., Amsterdam

certificate

Jury Section XVI.—WORSTED AND WOOLLEN GOODS.**FOURTH ORDER OF MERIT.****WORSTED AND WOOLLEN FABRICS.**

Ledeboer, L. V., en Zoon, Tilburg

certificate

Jury Section XVIII.—WEAPONS, &c.**HONOURABLE MENTION.****MODELS OF BRASS BREECH-LOADING GUNS.**Koninklijke Fabriek, van Stoom en Andere
Werktuigen, Amsterdam

certificate

**Jury Section XX.—AGRICULTURAL PRODUCTS, NOT USED
FOR FOOD.****FIRST ORDER OF MERIT.****CIGARS.**Bleckman Bros., Arnheim
Reijnvaan, A. J., Amsterdamsilver
silver**SNUFFS.**

Reijnvaan, A. J., Amsterdam

bronze

SECOND ORDER OF MERIT.**CIGARS.**Mignot en De Block, Eindhoven
Van der Post, C. G., Goudacertificate
certificate**CUT TOBACCOS.**

Reijnvaan, A. J., Amsterdam

certificate

Jury Section XXIII.—LEATHER AND SKINS.**FIRST ORDER OF MERIT.****BELTING.**

Prakke Brothers, Eibergen

silver

Jury Section XXIV. & XXV.—AGRICULTURAL IMPLEMENTS.**FIRST ORDER OF MERIT.****DESIGN FOR FARM BUILDINGS.**

Laughout, W., jun., Amsterdam

bronze

**MODEL VACUUM PAN FOR SUGAR-
WORKS.**Koninklijke Fabriek, van Stoom en
Andere Werktuigen, Amsterdam

bronze

Jury Section XXVI.—MACHINES, MACHINE TOOLS.

FIRST ORDER OF MERIT.

MARINE ENGINE.		HOSE.	
Koninklijke Fabriek, van Stoom en Andere Werktuigen, Amsterdam	gold	Bickers en Zoon, Rotterdam	silver

SECOND ORDER OF MERIT.

FLUVIOMETER.	
Holsboer, B., Arnheim	certificate

Jury Section XXVIII.—RAILWAYS, MINING, AND METALLURGY.

FIRST ORDER OF MERIT.

ROCKS, ORES, COAL.		SEAMLESS HOSE-PIPE.	
Gouvernement van Nederlandsch Indië, Batavia	(3)	Bickers en Zoon, Rotterdam	silver

SECOND ORDER OF MERIT.

SCREWS, BOLTS, AND NAILS.	
Regout, T., en Co., Maastricht	certificate

Jury Section XXIX.—TELEGRAPHIC APPARATUS, &c.

FOURTH ORDER OF MERIT.

ELECTRIC CURRENT METER.	
Holsboer, B., Arnheim	certificate

Jury Section XXXI. and XXXII.—CEREALS, CONDIMENTS, AND STIMULANTS.

FIRST ORDER OF MERIT.

EDAM CHEESE.		DIFFERENT KINDS OF VINEGAR.	
Heincken, Wed. A. G., en Zoonen, Rotterdam	silver	Schagen van Leeuwen en Co., Delft	bronze
		DEVENTER CAKE.	
		Klopman Baerselman, Deventer	bronze

SECOND ORDER OF MERIT.

SPICED VINEGAR.		CHICORY.	
Van Vollenhoven en Co., Amsterdam	certificate	Egberts, B. H., Dalfsen	certificate

Jury Section XXXIVa.—SPIRITS.

FIRST ORDER OF MERIT.

CASE GENEVA.		ALCOHOL.	
Blankenheim en Nolet, Rotterdam	silver	Nederlandsche gist en Spiritus	bronze
De Kuyper, J., en Zoon, Rotterdam	silver	Fabriek, Delft	

(3) Certificate equal to bronze.

SECOND ORDER OF MERIT.

CASE GENEVA.			Henkes, J. H., Delfshaven	certificate
Blankenheim en Nolet, Rotterdam	certificate		Van Dulken, Weiland en Co.,	
De Kuyper, J., en Zoon, Rotterdam	certificate		Rotterdam	certificate

THIRD ORDER OF MERIT.

BULK GENEVA.			CASE GENEVA.	
Blankenheim en Nolet, Rotterdam	certificate		Henkes, J. H., Delfshaven	certificate
Van Dulken, Weiland en Co., Rotterdam	certificate			

Jury Section XXXIVc.—CORDIALS, LIQUEURS, &c.

FIRST ORDER OF MERIT.

CURACOA.			CACAO.	
Fockink, Wynand, Amsterdam	silver		Fockink, Wynand, Amsterdam	bronze
RED CURACOA.			ELIXIRS.	
Bols, Lucas Erven, Amsterdam	silver		Van Zuylekom, Levert en Co., Amsterdam	bronze
WHITE CURACOA.			ROSE LIQUEUR.	
Bols, Lucas Erven, Amsterdam	silver		Stibbe, G., Kampen	bronze
MARASCHINO.			CREME DE THE.	
Bols, Lucas Erven, Amsterdam	silver		Fokink, Wynand, Amsterdam	bronze
Fockink, Wynand, Amsterdam	silver		CHERRY BRANDY.	
Van Zuylekom, Levert en Co., Amsterdam	silver		Fockink, Wynand, Amsterdam	bronze
ANISETTE.			BITTERS.	
Bols, Lucas Erven, Amsterdam	bronze		Bols, Lucas Erven, Amsterdam	bronze
Fockink, Wynand, Amsterdam	bronze		Fockink, Wynand, Amsterdam	bronze
Van Zuylekom, Levert en Co., Amsterdam	bronze		Stibbe, G., Kampen	bronze
			Stibbe, G., Kampen	bronze
			Van Zuylekom, Levert en Co., Amsterdam	bronze
VANILLE.			Van Zuylekom, Levert en Co., Amsterdam	bronze
Fockink, Wynand, Amsterdam	bronze		Van Zuylekom, Levert en Co., Amsterdam	bronze
NOYEAU.				
Fockink, Wynand, Amsterdam	bronze		CREME DE MOCHA.	
Van Zuylekom, Levert en Co., Amsterdam	bronze		Fockink, Wynand, Amsterdam	bronze

SECOND ORDER OF MERIT.

CURACOA, WHITE.			ANISETTE, GREEN.	
Stibbe, Bros., Kampen	certificate		Bols, Lucas Erven, Amsterdam	certificate
Van Zuylekom, Levert en Co., Amsterdam	certificate		Stibbe, G., Kampen	certificate
CURACOA.			VANILLE.	
Van Zuylekom, Levert en Co., Amsterdam	certificate		Bols, Lucas Erven, Amsterdam	certificate
ANISETTE, RED.			MISCELLANEOUS LIQUEURS.	
Bols, Lucas Erven, Amsterdam	certificate		Stibbe, G., Kampen	certificate
Stibbe, G., Kampen	certificate		RED AND WHITE CURRANT WINES.	
			Bal, J. J., Middleburg	certificate

Jury Section XXXV.—BEERS.

FIRST ORDER OF MERIT.

BOTTLED PALE ALES, PINTS.

Van Vollenhoven en Co., Amsterdam bronze

SECOND ORDER OF MERIT.

BOTTLED DARK BROWN ALE.

Van Vollenhoven en Co., Amsterdam certificate

FOURTH ORDER OF MERIT.

BOTTLED BROWN ALE.

Budde, B., en Cost, W. H., Deventer certificate

Jury Section XXXVI.—HORTICULTURE, CONSERVATORIES.

SECOND ORDER OF MERIT.

GARDEN AND FLOWER SEEDS.

Voûte, E. T., Zeist certificate

Jury Section XXXVII.—WEAVING, SEWING, AND PRINTING MACHINES.

FIRST ORDER OF MERIT.

METAL CAPSULES.

Roupe, Van der Voort, en Lewin, Bois-le-duc bronze

SECOND ORDER OF MERIT.

CORKING MACHINE.

Jonker en Zoon, Hendrik, Amsterdam certificate

PAPER-FOLDING MACHINE.

Jonker en Zoon, Hendrik, Amsterdam certificate

SWITZERLAND.

Jury Section I.—FINE ARTS.

SECOND ORDER OF MERIT.

OIL PAINTINGS.

Stuckelberg, Ernest, Basle certificate

THIRD ORDER OF MERIT.

OIL PAINTINGS.

Rudisuhli, J. L., Basle certificate

Jury Section II.—SCULPTURE, BRONZES, &c.

SECOND ORDER OF MERIT.

ENGRAVINGS ON METAL.

Swiss Collective Exhibition of Watches certificate

Jury Section IV.—PRINTING, BOOKS, STATIONERY.

SECOND ORDER OF MERIT.

PRINTING.

Bonfantini, G. A., Basle certificate

Jury Section VI.—MUSICAL INSTRUMENTS.

FIRST ORDER OF MERIT.

COTTAGE PIANO.

Trost, J., et Cie., Zurich gold

MUSICAL-BOXES.

NEW INVENTION IN THE MECHANISM
OF MUSICAL-BOXES.

Geneva Collective Exhibits, Geneva (2)

Geneva Collective Exhibits, Geneva
Heller, J. H., Berne

(2)
silver

Jury Section VIII.—CLOCKS AND WATCHES.

FIRST ORDER OF MERIT.

POCKET WATCHES AND CHRONOMETERS.

Swiss Collective Exhibition of Watches (1)

THIRD ORDER OF MERIT.

POCKET WATCHES AND CHRONOMETERS.		DRAWING AND PLOTTING INSTRUMENTS.	
Baume et Cie., Geneva	certificate	Kern, J., Aarau	certificate
		RAZORS.	
		Lecoultrre, J., Sentier	certificate

Jury Section **XI.—JEWELLERY AND SILVERSMITHS' WORK.**

FIRST ORDER OF MERIT.

GOLD AND SILVER JEWELLERY.

Geneva Collective Exhibit, Geneva (2)

Jury Section **XIII. & XXII.—CHEMICAL & PHARMACEUTICAL PRODUCTS.**

FIRST ORDER OF MERIT.

ANILINE DYES.

Monnet, J., et Cie., La Plaine, Geneva silver

Jury Section **XIV.—LEATHERWORK AND FANCY ARTICLES.**

FIRST ORDER OF MERIT.

FANCY ARTICLES, CARVED, TURNED,
AND ENGRAVED, IN WOOD.

Flück, J., Brienz

bronze

MAGIC-LANTERN.

Ganz, J., Zurich

bronze

Jury Section **XV.—COTTON, FLAX, HEMP, CLOTHING, &c.**Sub-Jury.—**BOOTS.**

THIRD ORDER OF MERIT.

ELASTIC WEBBING.

Reiner, Guillaume, Aarau

certificate

FOURTH ORDER OF MERIT.

ELASTIC WEBBING.

Bally et Schmitter, Aarau

certificate

Jury Section **XVII.—SILK AND LACE.**

FIRST ORDER OF MERIT.

SILK GAUZE.

Schindler-Escher, C., Zurich

silver

EMBROIDERY.

Baenziger, Buerke et Cie., St. Gall

bronze

(2) Certificate equal to silver.

SECOND ORDER OF MERIT.

LACE CURTAINS.		
Arnold, Albert, Heiden	certificate	
FANCY DRESS GOODS.		
Blumer et Wild, St. Gall	certificate	
		SILK GAUZE.
		Egli et Sennhauser, Zurich
		certificate

Jury Section XX.—AGRICULTURAL PRODUCTS, NOT USED FOR FOOD.

SECOND ORDER OF MERIT.

CIGARS.	
Kottman, J., Solothurn	certificate
Ormond et Cie., Vevey	certificate

Jury Section XXIV. and XXIV.—AGRICULTURAL IMPLEMENTS.

FIFTH ORDER OF MERIT.

MODEL OF A ROLLER-MILL.	
Daverio, G., Zurich	certificate

Jury Section XXVIII.—RAILWAYS, MINING, AND METALLURGY.

Sub-Jury.—RAILWAY APPLIANCES.

HONOURABLE MENTION.

PLAN OF GIESSBACH RAILWAY.	
Abt, R., Berne	certificate

Jury Section XXXI. and XXXII.—CEREALS, CONDIMENTS, AND STIMULANTS.

FIRST ORDER OF MERIT.

CONDENSED MILK.		
Nestle, H., Vevey	silver	
CHOCOLATE POWDER.		
Peter, Cailler et Cie., Geneva and Vevey	silver	
		MILK FOOD.
		Nestle, H., Vevey
		bronze

Jury Section XXXIVc.—CORDIALS, LIQUEURS, &c.

FIRST ORDER OF MERIT.

BITTERS.	
Dennler, A. F., Interlaken	bronze

SECOND ORDER OF MERIT.

BITTERS.	
Dennler, A. F., Interlaken	certificate

UNITED KINGDOM OF GREAT BRITAIN AND IRELAND.

Jury Section I.—FINE ARTS.

FIRST ORDER OF MERIT.

OIL PAINTINGS.		OLEOS, CHROMOS, AND CHROMO-TYPOGRAPHS.	
Alma-Tadema, L., R.A., London	gold	"Graphic," Proprietors of the, London	silver
Ansdell, R., R.A., London	gold		
Beavis, Rd., London	gold		
Gilbert, Sir John, R.A., Blackheath	gold		
Goodall, F., R.A., Harrow Weald	gold		
Herbert, J. R., R.A., Kilburn	gold		
Hunter, C., London	gold		
Marks, H. S., R.A.	gold		
Perugini, C. E., London	gold		
Stone, Marcus, A.R.A.	gold		
Watts, G. F., R.A., London	gold		
WATER-COLOURS.		PHOTO-LITHOGRAPHIC PRODUCTIONS.	
Gilbert, Sir John, R.A., Blackheath	gold	Ordnance-Survey Department, London	(2)
Herkomer, H., A.R.A., Dyreham	gold		
South Kensington Museum, Science and Art Department, London	gold		
CARTOON—INDUSTRIAL ART AS APPLIED TO WAR.		PHOTO-ELECTROTYPING "BRITISH MERCANTILE GAZETTE."	
Leighton, Sir F., P.R.A., London	gold	Plant, G. W., London	silver
FLOWER OIL PAINTING ON IVORY.		WOOD ENGRAVING.	
Lucas, A. D., Chilworth	gold	"Graphic," Proprietors of the, London	bronze
STEEL ENGRAVINGS AND ETCHINGS.		ARCHITECTURAL DRAWINGS.	
Barlow, T. O., R.A., London	silver	Aitchison, George, B.A., F.R.I.B.A., London	bronze
Ballin, A., Brentford	silver	Barry, Charles, F.S.A., F.R.I.B.A., London	bronze
Lowenstam, L., London	silver	Waterhouse, George, A. R. A., F.R.I.B.A., London	bronze
Montefiore, E. L., London	silver		
LITHOGRAPHY.		ILLUMINATED BOOK.	
Maclure and Macdonald, London	silver	De Carteret-Bisson, Capt., F.S., London	bronze
		ENGRAVED AND LITHOGRAPHED MAPS.	
		Johnston, W. & A. K., Edinburgh	bronze
		Ordnance - Survey Department, London	(3)
		Stanford, E., London	bronze

SECOND ORDER OF MERIT.

OIL PAINTINGS.			
Aumonier, James, London	certificate	Barnard, F., London	certificate
Armitage, E., R.A., London	certificate	Boughton, G. H., A.R.A., London	certificate
Brett, John, A.R.A., London	certificate	Bayliss, W., London	certificate
		Cauty, H. H., London	certificate

(2) Certificate equal to silver.

(3) Certificate equal to bronze.

Chester, George, Kensington	certificate
Cope, C. W., London	certificate
Elmore, A. R.A., Kensington	certificate
Fahey, E. H., London	certificate
Hayes, Edwin, R.H.A., London	certificate
Hargitt, E., London	certificate
Hicks, G. E., London	certificate
Hodgson, J. E., R.A., London	certificate
Horsley, J. C., R.A., Kensington	certificate
Le Jeune, H., A.R.A., London	certificate
Lucas, S., London	certificate
Moore, Henry, London	certificate
Prinsep, V. C., A.R.A., London	certificate
Smart, J., R.S.A., Edinburgh	certificate
Wallis, Henry, London	certificate
Wynfield, D. W., London	certificate
Webb, James, London	certificate
Weigall, H., London	certificate

WATER-COLOUR PAINTINGS.

Aumonier, Jas., London	certificate
Brierly, O. W., London	certificate
Bayliss, W., London	certificate
Callow, W., Great Missenden	certificate
Chevalier, N., London	certificate
Goodall, E. A., London	certificate

Haag, C., S.P.W.C., London	certificate
Haghe, Louis, London	certificate
Hayes, Edwin, R.H.A., London	certificate
Hine, H. G., M.I.P.W.C., London	certificate
Hopkins, Arthur, London	certificate
Hunt, A. W., London	certificate
Mogford, J., M.I.P.W.C., London	certificate
Warren, E. G., M.I.P.W.C., London	certificate

STEEL ENGRAVINGS AND ETCHINGS.

Evershed, A., London	certificate
Heseltine, J. P., London	certificate
Simmons, H. W.	certificate

ARCHITECTURAL DRAWINGS.

Coe, Henry E., London	certificate
I'Anson, E., F.R.I.B.A., London	certificate
Jones, Horace, F.R.I.B.A., London	certificate
Lynn, W. H., R.H.A., Belfast	certificate
Pearson, J. L., A.R.A., London	certificate
Robins, E. C., F.I.A., London	certificate
Scott, J. O., F.R.I.B.A., London	certificate
Smith, T. Roger, London	certificate
Seddon, J. P., F.R.I.B.A., London	certificate
White, W. H., London	certificate

THIRD ORDER OF MERIT.

OIL PAINTINGS.

Barnard, F.	certificate
Bauerle, C., London	certificate
Brewtnall, E. F., London	certificate
Brooks, Miss, London	certificate
Calthrop, C., London	certificate
Davidson, T., London	certificate
Dicksee, T. F., London	certificate
Dobson, W. C. T., R.A., London	certificate
Dowling, R., London	certificate
Faed, J., R.S.A., London	certificate
Glindoni, H. G., London	certificate
Houston, J. A., R.S.A., London	certificate
Jones, C., London	certificate
Lewis, C. J., London	certificate
Macallum, H., London	certificate
Montague, A.	certificate
Morgan, John, London	certificate
Scholderer, O., London	certificate
Small, W., London	certificate
Smith, George, London	certificate
Weber, O., London	certificate
Williams, H., London	certificate
Yeames, W. F., R.A.	certificate

WATER-COLOUR PAINTINGS.

Absolon, J., M.I.P., London	certificate
Buckman, E., London	certificate
Corbould, E. H., London	certificate
Davidson, Charles, London	certificate
Gosling, William, London	certificate
Hargitt, E., A.I.P.W.C., London	certificate
Harper, H. A., London	certificate
Hine, Harry, London	certificate
Houston, J. A., R.S.A., London	certificate

Johnson, Harry, London	certificate
Lewis, Lennard, London	certificate
Montalba, Miss E., S.P.W.C., London	certificate
Newton, A. P., London	certificate
Severn, A., London	certificate
Severn, Walter, London	certificate
Smith, W. C., London	certificate

WOOD ENGRAVINGS.

The Proprietors of the "Builder," London	certificate
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OLEO-CHROMO, LITHO, AND CHROMO.	
Blackie and Son, Glasgow	certificate
Cochrane, G., Edinburgh	certificate

COLOURED PHOTOS—STUDIES OF FLOWERS.

Luks, W., London	certificate
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ETCHINGS.

Pilstall, M., London	certificate
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ARCHITECTURAL DRAWINGS.

Brandon, D., London	certificate
Champneys, Basil, London	certificate
Clark, E. T. C., London	certificate
Hayward, C. Foster, F.S.A., F.R.I.B.A., London	certificate
James, S. and T., Cardiff	certificate
Sorby, T. C., London	certificate
Tarver, E. J., London	certificate
White, William, London	certificate

FOURTH ORDER OF MERIT.

OIL PAINTINGS.		Johnson, H., London		certificate
Johnson, C. E., London	certificate	Mutrie, Miss A. F., London		certificate

FIFTH ORDER OF MERIT.

OIL PAINTINGS.		Charlton, J., London		certificate
Browning, R. B., London	certificate	Mutrie, Miss M. D., London		certificate

Jury Section II.—SCULPTURE, BRONZES, &c.

FIRST ORDER OF MERIT.

ELECTROTYPE REPRODUCTIONS OF THE ROYAL PLATE.		ENGRAVINGS ON GLASS.		
Department of Science and Art, South Kensington Museum, London	(1)	Webb, T., and Sons, Stourbridge		gold
		REPOUSSE WORK.		
		Singer, J. W., and Co.		silver

SECOND ORDER OF MERIT.

SCULPTURE.		
Woods, Marshall, London	certificate	

THIRD ORDER OF MERIT.

SCULPTURE.		DIE-SINKING.		
Adams, Acton J., London	certificate	Soane, Harry, London	certificate	
Joy, A. Bruce, London	certificate			
Woolner, F., R.A., London	certificate			

FOURTH ORDER OF MERIT.

SCULPTURE.		
Stevenson, D. W., Edinburgh	certificate	

Jury Section III.—EDUCATION.

FIRST ORDER OF MERIT.

SCHOOL BOOKS.		MAPS.	
Chambers, W. and R., Edinburgh	gold	Johnston, W. and A. K., Edinburgh	gold
		Ordnance-Survey Department, London	(1)
SCHOOL APPLIANCES.			
Hammer, G. M., London	gold	EDUCATIONAL EXHIBIT.	
Myers, A. N., and Co., London	gold	London School Board, London	(1)

SECOND ORDER OF MERIT.

SCHOOL BOOKS.		Smith, C., and Son, London		certificate
Blackie and Son, Glasgow	certificate	Stanford, E., London		certificate
MAPS.		SCHOOL APPLIANCES.		
Collins, W., Sons and Co., London	certificate	Swan, Sonnenschein and Allen, London	certificate	
Gall and Inglis, Edinburgh	certificate			

(1) Certificate equal to gold.

THIRD ORDER OF MERIT.

SCHOOL BOOKS.

Collins, W., Sons and Co., London	certificate
Gall and Inglis, Edinburgh	certificate

SCHOOL APPLIANCES.

Twining, T., London	certificate
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FOURTH ORDER OF MERIT.

SCHOOL BOOKS.

British and Foreign Blind Association, London	certificate
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HONOURABLE MENTION.

EDUCATIONAL MODELS OF MACHINERY.

Schaffer and Budenberg, Manchester	certificate
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Jury Section IV.—PRINTING, BOOKS, STATIONERY.

FIRST ORDER OF MERIT.

PENS.

Brandauer, C., and Co., Birmingham	silver
Gillott, J., and Sons, Birmingham	silver
Leonardt, D., and Co., Birmingham	silver
Perry and Co., London	silver

TYPE.

Caslon, H. W., and Sons, London	silver
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BOOKBINDING.

Blackie and Son, Glasgow	silver
Oxford University Press, Oxford	silver

TINFOIL AND VEGETABLE PARCHMENT.

Erhardt, H., and Co., London	silver
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PUBLICATIONS AND CHROMO-LITHOS.	
"Graphic," Proprietors of the, London	silver

CHROMO-LITHOS AND PHOTO-LITHOS.	
Unwin Bros., London	silver

LITHOGRAPH MAPS AND ATLASES.

Johnston, W. and A. K., Edinburgh	silver
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CHROMO AND GENERAL LITHOGRAPHY.

Maclure and Macdonald, London	silver
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PLAYING CARDS.

Goodall, C., and Son, London	silver
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MENU AND CHRISTMAS CARDS.

Goodall, C., and Son, London	silver
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PRINTING PAPER.

Grosvenor, Chater and Co., London	silver
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FANCY STATIONERY PAPER AND ENVELOPES.

Goodall, C., and Son, London	silver
Pirie, A., and Sons, London	silver

PLATE PAPER.

Grosvenor, Chater and Co., London	silver
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BRISTOL BOARDS AND CARDS.

Goodall, C., and Son, London	silver
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WRITING PAPER.

Busbridge, G. F., and Co., Kent	silver
Monckton, W., and Co., Kent	silver
Pirie, A., and Sons, London	silver
Saunders, T. H., and Co., London	silver
Spicer Bros., London	silver

CIGARETTE, TISSUE, AND COPYING PAPER.

Avril, L., and Co., London	silver
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BLOTTING PAPER.

Pirie, A., and Sons, London	silver
Saunders, T. H., and Co., London	silver

CARD, ENAMELLED PAPER, AND SURFACE PAPER.

Pirie, A., and Sons, London	silver
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HAND-MADE PAPER.

Saunders, T. H., and Co., London	silver
Spicer Bros., London	silver

LETTER BALANCES.

Avery, W. and T., Birmingham	bronze
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PUBLICATIONS.

Blackie and Son, Glasgow	bronze
British and Foreign Bible Society, London	bronze
"British Mercantile Gazette," London	bronze
Chambers, W. and R., Edinburgh	bronze
Oxford University Press, Oxford	bronze
Paterson, W., Edinburgh	bronze
Sampson Low, Marston, Searle and Rivingtons, London	bronze
Trübner and Co., London	bronze
Ward, Lock and Co., London	bronze

PRINTING.		MARKING INK.	
Blackie and Son, Glasgow	bronze	Blackwood, J., and Co., London	bronze
Causton, Sir Joseph, and Sons, London	bronze	Bond, M. A. (now Hickisson), London	bronze
"Graphic," Proprietors of the, London	bronze	Stephens, H. C., London	bronze
Oxford University Press, Oxford	bronze	WRITING INK, COLOURED.	
OFFICE WAX.		Lyons, W., Manchester	bronze
Blackwood, J., and Co., London	bronze	Stephens, H. C., London	bronze
Waterston, Sons and Stewart, Edinburgh	bronze	COPYING INK.	
STATIONERS' HARDWARE.		Stephens, H. C., London	bronze
Downing, J. S., Birmingham	bronze	WRITING INK, BLACK.	
COPYING PRESSES.		Stephens, H. C., London	bronze
Daniell, S. A., Birmingham	bronze	TRYPOGRAPH.	
		Zuccatto and Wolff, London	bronze

SECOND ORDER OF MERIT.

WRITING PAPER.		STATIONERY PAPER AND ENVELOPES.	
Avril, L., and Co., London	certificate	Fourdrinier, Hunt and Co., London	certificate
Fourdrinier, Hunt and Co., London	certificate	WRAPPING PAPERS AND PAPER BAGS.	
Grosvenor, Chater and Co., London	certificate	Davis and Royle, London	certificate
Hudson and Kearns, London	certificate	BLOTTING PAPER.	
WRITING INK, BLACK.		Grosvenor, Chater and Co., London	certificate
Blackwood, J., and Co., London	certificate	PAINT, GOLD.	
Thacker, H., and Co., London	certificate	Judson, D., and Co., London	certificate
OFFICE STENCILS, INKS, AND BRUSHES.		MARKING INK.	
Bowman, Charles, London	certificate	Judson, D., and Co., London	certificate
PRINTING.		Thacker, H., and Co., London	certificate
Gall and Inglis, Edinburgh	certificate	DRAWING PAPER.	
Patent Enamel Co., Birmingham	certificate	Monckton, W., and Co., Kent	certificate
Unwin Brothers, London	certificate	Spicer Brothers, London	certificate
PUBLICATIONS.		PRINTING PAPER.	
Gall and Inglis, Edinburgh	certificate	Peebles, A. M., and Son, London	certificate
MacLachlan and Stewart, Edinburgh	certificate	Spicer Brothers, London	certificate
Partridge, S. W., and Co., London	certificate	SELF-INKING ENDORSING STAMP.	
Religious Tract Society, London	certificate	Semple, J., Glasgow	certificate
Unwin Brothers, London	certificate		

THIRD ORDER OF MERIT.

COPYING INK.		WRITING INK, COLOURED.	
Blackwood, J., and Co., London	certificate	Blackwood, J., and Co., London	certificate
Cooper and Co., London	certificate	Cooper and Co., London	certificate
Lyons, W., Manchester	certificate	Judson, D., and Co., London	certificate
Thacker, H., and Co., London	certificate	Thacker, H., and Co., London	certificate
PUBLICATIONS.		WRITING INK, BLACK.	
"Builder," Proprietors of the, London	certificate	Cooper and Co., London	certificate
Collins, W., Sons and Co., London	certificate	Judson, D., and Co., London	certificate
De Carteret-Bisson, Captain F., London	certificate	Lyons, W., London	certificate
Dean, W., and Son, London	certificate	VELLUM, PARCHMENT, QUILLS.	
Institution of Civil Engineers, London	certificate	Cooper and Co., London	certificate
Semple, J., Glasgow	certificate	PRINTING.	
Trippin, J., London	certificate	Collins, W., Sons and Co., London	certificate

CHROMO-LITHOS.
 Cochrane, G., Edinburgh certificate
 Dilke and Co., Nottingham certificate

VALENTINES.
 Canton, R., London certificate

PENCILS.
 Cohen, B. S., London certificate

WRITING PAPER.
 Collins, W., Sons and Co., Glasgow certificate

STATIONERY PAPER AND ENVELOPES.
 Collins, W., Sons and Co., Glasgow certificate
 Spicer Bros., London certificate

ROLLER COMPOSITION.
 Durable Printers' Roller Co., London certificate

PRINTING PAPER.
 Davis and Royle, London certificate

PLAYING CARDS.
 Fourdrinier, Hunt and Co., London certificate

PRINTING INK, BLACK.
 Fleming, A. B., and Co., Edinburgh certificate

PRINTING INK, COLOURED.
 Fleming, A. B., and Co., Edinburgh certificate

WRAPPING PAPER AND PAPER BAGS.
 Fourdrinier, Hunt and Co., London certificate

TISSUE AND COPYING PAPER.
 Fourdrinier, Hunt and Co., London certificate

DRAWING PAPER AND CARTRIDGE PAPER.
 Fourdrinier, Hunt and Co., London certificate

HAND-MADE PAPER.
 Grosvenor, Chater and Co., London certificate

DIARIES AND NOTE-BOOKS.
 Hudson and Kearns, London certificate

FACILOGRAPH.
 Hudson and Kearns, London certificate

OFFICE WAX.
 Lyons, W., Manchester certificate
 Stephens, H. C., London certificate

BOOKBINDING.
 Partridge, S. W., and Co., London certificate
 Semple, J., Glasgow certificate
 Unwin Brothers, London certificate

BLOTTING PAPER.
 Spicer Brothers, London certificate

ACCOUNT BOOKS.
 Unwin Brothers, London certificate

MUSIC PORTFOLIOS.
 Weekes and Co., London certificate

FOURTH ORDER OF MERIT.

ACCOUNT BOOKS.
 Collins, W., Sons and Co., London certificate

HAND-MADE PAPER.
 Fourdrinier, Hunt and Co., London certificate

PUBLICATIONS.
 "Furniture Gazette," Proprietors of the, London certificate
 Plummer, J., London certificate

FIFTH ORDER OF MERIT.

BOOKBINDING.
 De Carteret-Bisson, Captain F., London certificate

PUBLICATIONS.
 Griffiths, H. W., London certificate

Jury Section V.—PHOTOGRAPHIC PROOFS AND APPARATUS.

FIRST ORDER OF MERIT.

LANDSCAPE AND BUILDING PHOTOGRAPHS.
 Frith, F., and Co., Reigate bronze

ENLARGED PHOTOGRAPHS.
 Heath, Vernon, London bronze
 Stuart Wortley, Col., London bronze

PORTRAITS TAKEN DIRECT.
 London Stereoscopic Co., London bronze
 Nesbitt, G., Bournemouth bronze

SECOND ORDER OF MERIT.

LANDSCAPE AND BUILDING PHOTOGRAPHS.
 Brightman, E., Bristol bronze

Jury Section VI.—MUSICAL INSTRUMENTS.

FIRST ORDER OF MERIT.

GRAND PIANOS, CONCERT.		CLARIONETS, FLUTES, AND BASSOONS.	
Brinsmead, J., and Sons, London	gold	Besson, F., and Co., London	silver
COTTAGE PIANO.		COMPLETE SET OF BRASS INSTRUMENTS.	
Brinsmead, J., and Sons, London	gold	Besson, F., and Co., London	silver
Challen and Son, London	gold		
DULCET HARMONIUMS.		VIOLIN STRINGS.	
Samuel, B., and Sons, London	gold	Samuel, B., and Sons, London	bronze

SECOND ORDER OF MERIT.

BAGPIPES.			CLARIONETS, FLUTES, AND FIFES.	
Glen, J. and R., Edinburgh	certificate		Wallis, J., London	certificate
FIFES.				
Samuel, B., and Sons, London	certificate			

THIRD ORDER OF MERIT.

COTTAGE PIANOS.				
Ajello, G., London	certificate		Ivory, H. A., London	certificate

Sub-Jury.—PRINTED MUSIC.

FIRST ORDER OF MERIT.

PRINTED MUSIC.		
Augener and Co., London		bronze

SECOND ORDER OF MERIT.

CLASSICAL MUSIC.		
Augener and Co., London		certificate

THIRD ORDER OF MERIT.

METHODS OF TEACHING MUSIC.			PRINTED MUSIC.	
Gall and Inglis, Edinburgh	certificate		Weekes and Co., London	certificate

Jury Section VII.—MEDICINE, HYGIENE, AND PUBLIC RELIEF.

FIRST ORDER OF MERIT.

SURGICAL AND VETERINARY INSTRUMENTS.			INDIA-RUBBER GOODS.	
Arnold and Sons, London	gold		Bell, Henry, London	silver
SETON NEEDLES, PROBINGS, AMPUTATING CASES, STEAM SPRAYS, ARTIFICIAL LIMBS.	gold		SURGICAL NEEDLES.	
			Milward, H., and Sons, London	silver
			SANITARY FITTINGS.	
Evans and Wormull, London			Meynell and Inman, Wolverhampton	silver
WEIGHING MACHINES FOR HOSPITALS AND ASYLUMS.			MINERAL TEETH, DENTAL RUBBERS.	
Avery, W. and T., Birmingham	silver		Lemale and Co., London	bronze

SECOND ORDER OF MERIT.

HOSPITAL AND ASYLUM BEDSTEADS, BED-RESTS, AND CAMP BEDSTEADS. Allen, T., Bristol	certificate	ARTIFICIAL EYES. Gray and Halford, London	certificate
		INVALIDS' COUCHES. Hamilton, W., Brighton	certificate

THIRD ORDER OF MERIT.

WOVEN WIRE MATTRESSES, SUITABLE FOR HOSPITALS. Crosby, R. L., and Co., London and Birmingham	certificate
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Jury Section VIII.—CLOCKS AND WATCHES.

FIRST ORDER OF MERIT.

SURVEYING INSTRUMENTS AND MICROSCOPES. Husbands, H., Bristol	gold	MARINE CHRONOMETERS. Kullberg, Victor, London	gold
CUTLERY. Johnson, Christopher, and Co., Sheffield	gold	WEIGHING & MEASURING APPARATUS. Avery, W. and T., London and Bir-	silver
Rodgers, J., and Sons Limited, Sheffield	gold	mingham	
Wostenholm, G., and Son Limited, Sheffield	gold		

SECOND ORDER OF MERIT.

COMPASSES, ANEROIDS. Barker, F., and Son, London	certificate	POCKET WATCHES AND CHRONO- METERS. Buckney, D., London	certificate
HAND TELESCOPES AND BINOCULARS. Dollond and Co., London	certificate	Kilpatrick and Co., London	certificate
CUTLERY. Evans and Wormull, London	certificate	Nicole, Nielsen & Co., London	certificate
Read, T., Birmingham	certificate	DRAWING AND PLOTTING INSTRU- MENTS. Stanley, W. F., London	certificate

THIRD ORDER OF MERIT.

BAROMETERS, THERMOMETERS, HYDROMETERS. Buss, T. O., London	certificate	POCKET WATCHES AND CHRONO- METERS. Kullberg, Victor, London	certificate
CUTLERY. Blyde, J., Sheffield	certificate	RULES, SCALES, TAPE MEASURES. Preston, E., Birmingham	certificate
Dodge, J. and R., Limited, Sheffield	certificate	Rabone, J., and Sons, Birmingham	certificate
Yorrill, R., and Son, Sheffield	certificate	CLOCKS, WATCHES, AND MATERIALS. Schaffer and Budenberg, Man- chester	certificate
DRAWING AND PLOTTING INSTRU- MENTS. Harling, W. H., London	certificate	THEODOLITES AND LEVELS. Wood and Co., Liverpool	certificate

FOURTH ORDER OF MERIT.

CUTLERY. Ward, F., and Co., Sheffield	certificate
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Jury Section IX.—FURNITURE AND ACCESSORIES.

FIRST ORDER OF MERIT.

SILK AND WOOL TAPESTRY FURNITURE COVERINGS.		WALL DECORATIONS, EMBOSSED LEATHER, AND FLOCK PAPERS.	
Barbour and Miller, Glasgow	gold	Jeffrey and Co., London	silver
WILTON AND BRUSSELS CARPETS.		BATH FURNITURE.	
Barton, J. E., Kidderminster	gold	Jennings, George, London	silver
PATENT TAPESTRY VELVET CARPETS.		CHAIR FRAMES.	
Crossley, John, and Sons Limited, Halifax	gold	Lune Chair Co., Lancaster	silver
BRUSSELS AND WILTON CARPETS AND RUGS.		HAIR SEATINGS (PLAIN AND DAMASK), AND UPHOLSTERERS' MATERIAL.	
Humphries, J., and Sons, Kidderminster	gold	Laycock, S., and Sons, Sheffield	silver
AXMINSTER CARPETS.		MACHINE AND HAND PRINTED PAPER-HANGINGS.	
Tomkinson and Adam, Kidderminster	gold	Potter, C. and J. G., Darwen, Lancashire	silver
BRUSSELS AND VELVET-PILE CARPETS.		RAISED FLOCK PAPERS.	
Whittall, M., and Co., Kidderminster	gold	Scott, Cuthbertson and Co., London	silver
PAPERHANGINGS.		CHURCH TAPESTRY (CHRIST AND THE APOSTLES).	
Allan, J., and Son, London	silver	Tapling, T., and Co., London	silver
Cooke, William, Leeds	silver	MURAL DECORATIONS.	
Carlisle and Clegg, London	silver	Walton, Fred., and Co., London	silver
WALL DECORATIONS.		PAPERHANGINGS AND EMBOSSED LEATHER.	
Darwen Paper Staining Co., Levesy Fold-over-Darwen	silver	Woollams, W., and Co., London	silver
LAVATORIES.		PAPERHANGINGS AND DECORATIONS.	
Doulton and Co., London	silver	Wylie and Lochhead, Glasgow	silver
PARQUET FLOORING AND ART FURNITURE.		ART FURNITURE.	
Arrowsmith, A. J., and Co., London	silver	Walker, W., and Sons, London	silver
WALL DECORATIONS AND PAPER-HANGINGS.		HORSE-HAIR CARPETS AND DAMASK HAIR SEATINGS.	
Heywood, Higginbottom, Smith and Co. Limited, Arden, near Manchester	silver	Webb, E., and Sons, Worcester	silver
BEDSTEADS.		KIDDERMINSTER CARPETS.	
Hoskins and Sewell, Birmingham	silver	Watson and Naylor, Kidderminster	silver
Peyton and Peyton, Birmingham	silver	FLOORCLOTH.	
MOULDINGS.		Linoleum Manufacturing Co. Limited, London	bronze
Harwitz, L., and Sonn, London	silver	FURNITURE.	
		Smee, W. and A. S., London	

SECOND ORDER OF MERIT.

BRUSSELS CARPETS.		AXMINSTER AND OTHER CARPETS.	
Atkins and Naylor, Kidderminster	certificate	Henderson and Co., Durham	certificate
FURNITURE.		BILLIARD TABLE.	
Conrath and Sons, London	certificate	Marsden and Saffley, Liverpool	certificate
		Wright, G., and Co., London	certificate
BEDSTEADS.		ROYAL AXMINSTER, WILTON, AND BRUSSELS CARPETS.	
Crosby, R. L., and Co., Birmingham	certificate	Morton and Sons, Kidderminster	certificate

THIRD ORDER OF MERIT.

MOULDINGS.		BEDSTEADS.	
Hieronimus, W., London	certificate	Phillips and Son, Birmingham	certificate
CARPETS, RUGS.		Phillips, Albert, Birmingham	certificate
Frith and Son, Brighouse	certificate	REVOLVING BOOKCASE.	
AXMINSTER AND BRUSSELS CARPETS, RUGS AND MATS.		Trübner and Co., London	certificate
Lyle, J., and Co., Glasgow	certificate	WILTON-PILE CARPETS.	
MIRRORS.		Willis, H. R., and Co., Kidderminster	certificate
Migliorini, G., London	certificate		

FOURTH ORDER OF MERIT.

GILT FRAMES.		BEDSTEADS.	
Ciceri and Co., Edinburgh	certificate	Middleton, J., Birmingham	certificate
FLOORCLOTH.		BRONZE HALL STANDS.	
Clarke, Enoch, and Sons, London	certificate	Parkes, Benjamin, and Son, near Dudley	certificate
IMITATION TAPESTRY, BY HAND.		STAINS FOR WOOD.	
Hall, Thomas, Edinburgh	certificate	Stephens, H. C., London	certificate
IRON CHAIRS AND HAT STANDS.			
Morgan and Waide, London	certificate		

Jury Section X.—GLASS AND POTTERY.

FIRST ORDER OF MERIT.

POTTERY.		GLASS BOTTLES.	
Brown-Westhead, T. C., Moore and Co., Stoke-on-Trent	gold	Breffit, E., and Co., London	silver
Minton and Co., Stoke-on-Trent	gold	Kilner Brothers, London	silver
Moore Bros., Langton	gold	WINDOW-GLASS AND MIRRORS.	
Worcester Royal Porcelain Co. Limited, Worcester	gold	Chance Brothers and Co., Birmingham	silver
ARTISTIC POTTERY.		STONEWARE AND DRAIN PIPES.	
Doulton, H., and Co., London	gold	Doulton and Co., London	silver
TILES, ENCAUSTIC, PLAIN, AND ARTISTIC.		Jennings, G., London	silver
Minton, Hollins and Co., Stoke-on-Trent	gold	STONEWARE FOR CHEMICAL AND DOMESTIC USES, DRAIN PIPES, BRICKS.	
GLASSWARE.		Doulton and Watts, London	silver
Webb, Thomas, and Son, Stourbridge	gold		

SECOND ORDER OF MERIT.

POTTERY.		TILES.	
Brownfield, W., and Sons, Cobridge	certificate	Campbell Brick and Tile Company, Stoke-on-Trent	certificate
Wedgwood, Josiah, and Sons, Etruria	certificate	Maw and Co., Shropshire	certificate
GLASSWARE.		DRAIN PIPES AND STONEWARE.	
Boulton and Mills, Stourbridge	certificate	Craven, Dunnill and Co., Shropshire	certificate
Ford, J., and Co., Edinburgh	certificate		

STAR FIRE-BRICKS.		PRESSED GLASS.	
Dunnachie, James, Glenboig	certificate	Sowerby and Co., Gateshead	certificate
STONEWARE.		GLASS BOTTLES.	
Harrison, C. K., Stourbridge	certificate	Sykes, Macvay and Co., Castleford	certificate
Harper and Moore, Stourbridge	certificate	CHINA AND EARTHENWARE.	
Jennings, G., London	certificate	Wood, W., and Co., Staffordshire	certificate

THIRD ORDER OF MERIT.

PORCELAIN EARTHENWARE.		ENAMELLED BRICKS.	
Bates, Gildea and Walker, Burslem	certificate	Farnley Iron Co., Farnley	certificate
GLASSWARE.		POTTERY.	
Breffit, E., and Co., London	certificate	M'Birney, D., and Co., Fermanagh	certificate
Sykes, Macvay and Co., Castleford	certificate	Powell, Bishop and Stonier, Hanley	certificate
TILES.		PORCELAIN AND EARTHENWARE.	
Craven, Dunnill and Co., Shropshire	certificate	Pinder, Bourne and Co., Burslem	certificate
Fison, C. O., Stowmarket	certificate		

FOURTH ORDER OF MERIT.

GLASSWARE.		POTTERY.	
Fouracre and Watson, Plymouth	certificate	Hope and Carter, Burslem	certificate
Kilner Brothers, London	certificate	Pinder, Bourne and Co., Burslem	certificate

FIFTH ORDER OF MERIT.

WINDOW-GLASS AND MIRRORS.	
Pitman and Son, London	certificate

Jury Section XI.—JEWELLERY AND SILVERSMITHS' WORK.

FIRST ORDER OF MERIT.

GOLD AND SILVERSMITHS' WORK.		GOLD AND SILVER JEWELLERY.	
Boardman and Glossop, Sheffield	silver	Kilpatrick and Co., London	silver
Dixon, James, and Sons, Sheffield	silver	ELECTROTYPE EXHIBITS.	
Harrison, W. W., and Co., Sheffield	silver	South Kensington Museum, London	(2)
Lee and Wigfull, Sheffield	silver	IMITATION JEWELLERY.	
Roberts and Belk, Sheffield	silver	Cranmore, S., Birmingham	bronze
Walker and Hall, Sheffield	silver		
Woodward, Horace, & Co., Birmingham	silver		

THIRD ORDER OF MERIT.

GOLD AND SILVERSMITHS' WORK.		PENCIL-CASES AND STUDS.	
Glen, J. and R., Edinburgh	certificate	Perry and Co. Limited, London and Birmingham	certificate

FOURTH ORDER OF MERIT.

IMITATION OF DIAMONDS.		IMITATION JEWELLERY.	
Damon, R., Weymouth	certificate	Levetus Brothers, Birmingham	certificate

Jury Section XII.—CIVIL ENGINEERING, PUBLIC WORKS.

FIRST ORDER OF MERIT.

ARTISTIC BRASS-WORK AND DOOR FURNITURE.		SANITARY COMPLETE FITTINGS— BATH, URINALS, AND CLOSETS.	
Cartland, Jas., and Sons, Birmingham	gold	Doulton, H., and Co., London	silver
CRYSTAL CHANDELIERS.		Jennings, George, London	silver
Defries, J., and Sons, London	gold	Smeaton, William, and Sons, London	silver
Ford, J., and Co., Edinburgh	gold	ENAMELLED TILES.	
Webb, Thomas, and Sons, Stourbridge	gold	Doulton, H., and Co., London	silver
GAS-TESTING APPLIANCES AND DRY METER.		Minton, Hollins and Co., Stoke-on-Trent	silver
Glover, G., and Co., London	gold	Minton's China Works, Stoke-on-Trent	silver
GASALIERS.		MALT KILN TILES.	
Hunt, J., and Co., Birmingham	gold	Fison, C. O., Stowmarket	silver
STEAM EXCAVATOR.		COOKING RANGES.	
Tangye Brothers, Birmingham	gold	Flavel, S., and Co., Leamington	silver
GAS AND WATER TUBES.		Grove, G. W., Leamington	silver
Anchor Tube Co., Birmingham	silver	CEMENT.	
Lloyd and Lloyd, Birmingham	silver	Gostling, J. C., and Co., London	silver
Peyton and Peyton Tube Company Limited, The, Birmingham	silver	TABLE LAMPS.	
Russell, J., and Sons Limited, Wednesbury	silver	Hinks, James, and Son Limited, London	silver
Spencer, John, West Bromwich	silver	Rowatt, T., and Sons, Edinburgh	silver
PARQUET FLOORING.		Silber and Co., London	silver
Arrowsmith, A. J., and Co., London	silver	Wright and Butler, Birmingham	silver
MONUMENTAL MASONS' WORK.		PATENT VENTILATORS.	
Bessbrook Granite Work, Bessbrook	silver	Howorth, J., Manchester	silver
EARTHENWARE LAVATORIES.		TERRA-METALLIC BRICKS AND TILES.	
Bates, Gildea and Walker, Burslem	silver	Hamblet, Joseph, West Bromwich	silver
M'Birney, D., and Co., Fermanagh	silver	CARRIAGE LAMPS.	
MATCHES, SAFETY AND OTHERS.		Lowe, Sleigh, Bevan and Co., Birmingham	silver
Bell and Black Limited, London	silver	Oerton, Grimley and Jagger, Walsall	silver
Bryant and May, London	silver	BANK DOOR AND LOBBY.	
WET GAS METER.		Milner's Safe Co. Limited, Liverpool	silver
Cowan, W. and B., Edinburgh	silver	14-FOOT RANGES.	
ENAMELLED AND SANITARY IRON-WARE.		M'Dowall, Stevens and Co., Glasgow	silver
Clark, T. and C., and Co., Wolverhampton	silver	ORNAMENTAL AND REGISTERED STOVES.	
CHATWOOD MODEL OF BANKING STRONGBOX.		Morgan and Waide, Rotheram	silver
Chatwood's Patent Safe and Lock Co., Bolton	silver	Steele and Garland, Sheffield	silver
TILES, FLOORING AND ENAMELLED.		Wright, George, and Co., London	silver
Craven, Dunnill and Co., Shropshire	silver	Yates, Haywood and Co., London	silver
DRAIN PIPES.		COOKING RANGES, STOVES.	
Doulton, H., and Co., London	silver	Nisbet, A., and Son, Glasgow	silver
		Radclyffe and Co., Leamington	silver
		EARTH CLOSETS.	
		Onions, J. C., Limited, Birmingham	silver

SLATES.
Previte and Greig, London silver

FENDERS AND FIRE-IRONS.
Parkes, Benjamin, and Sons, near
Dudley silver

SLATE SLABS, SLATES.
Penyrsedd Slate Quarry Co. silver

PHOTOMETER.
Sugg, William, London silver

IMPROVED BURNERS AND LAMPS FOR
STREET LIGHTING.
Sugg, William, London silver

ENAMELLED SLATE SANITARY-WARE
AND MANTELPieces.
Sessions, J., and Sons, Gloucester silver

VARIOUS STOVES.
Smith and Wellstood, London silver

GAS CENTRE AND JOINTS FOR
PURIFIERS.
Walker, C. and W., London silver

MARBLE MANTELPieces.
Yates, Haywood and Co., London silver

STEAM WASHING-MACHINES.
Bradford and Co., Manchester bronze

REVOLVING SHUTTERS.
Clark and Co., London bronze

FIRE-CLAY GOODS.
Cowen, J., and Co., Blaydon-on-Tyne bronze
Dunnachie, James, Glenboig bronze
Harper and Moores, Stourbridge bronze

LOCKS.
Chatwood's Patent Safe and Lock Co.,
Bolton bronze

MILLSTONES.
Dell and Sons, London bronze

BRASS-WORK AND DOOR FURNITURE.
Harcourt, R. and C., Birmingham bronze
Pemberton, Thomas, and Sons, Bir-
mingham bronze

OIL STOVES.
Wright and Butler, Birmingham bronze

SECOND ORDER OF MERIT.

HYDRAULIC LIFT AND STAIRCASE.
Bunnett and Co., London certificate

LAVATORY EARTHENWARE.
Brown-Westhead, T. C., Moore
and Co., Stoke-on-Trent certificate

COOKING RANGES.
Brown and Green Limited, London certificate

FLOORING TILES.
Campbell Brick and Tile Co., Stoke-
on-Trent certificate
Maw and Co., Shropshire certificate

ORNAMENTAL AND REGISTERED
STOVES.
Corbitt, William, and Co. Limited,
London certificate

PATENT LIME SCREEN.
Gregory, J., Lincoln certificate

FIRE-CLAY GOODS.
Harrison, G. K., Stourbridge certificate

LOCKS.
Harley, G., and Co., Wolverhamp-
ton certificate
Walker, John, Birmingham certificate

ENAMELLED SANITARY IRONWARE.
Kenrick, A., and Sons, West Brom-
wich certificate

SAFETY STABLE LAMPS.
Kerr, E., jun., Dublin certificate

CARBURETTED GAS.
Müller, H. L., Birmingham certificate

MONUMENTAL MASONS' WORK.
McDonald, Field and Co., Aberdeen certificate

SANITARY COMPLETE FITTINGS,
BATHS.
Meynell and Inman, Wolverhamp-
ton certificate
Underhay, F. G., London certificate

STOVES, HALL, CHURCH, AND FANCY.
Musgrave and Co. Limited, London
and Belfast certificate

FAMILY MANGLE.
Nicoll, G. H., and Co., Dundee certificate

SAFETY MINING LAMPS.
Nottingham Malleable Iron Co.
Limited, Nottingham certificate

STAINED GLASS WINDOWS.
Pitman and Sons, London certificate

SLOW COMBUSTION STOVES.
Portway, C., Halstead certificate

REVOLVING SHUTTERS.
Salmon, Barnes and Co., Ulverston certificate

SANITARY STENCH-TRAP.
Wilson, James, London certificate

DOOR FURNITURE.
Wood, William, and Co., Burslem certificate

THIRD ORDER OF MERIT.

STAINED GLASS WINDOW.

Fouracre and Watson, Plymouth certificate

GRILL STOVES.

Harris, G. H., Birmingham certificate

LOCKS.

Harper, John, and Co., Staffordshire certificate
Lea and Griffiths, Birmingham certificate

CEMENT.

Johnson. J. C., London certificate

FIRE-CLAY GOODS.

Hall, J., and Co., Stourbridge certificate

BRACKETS.

Meynell and Inman, Wolverhampton certificate

TABLE LAMPS.

Zimmermann and Co., London certificate

FOURTH ORDER OF MERIT.

TABLE LAMPS.

Corcoran, Witt and Co., London certificate

CEMENT.

White, J. B., and Bros., London certificate

HONOURABLE MENTION.

SOLUBLE GLUE & POMPEII CEMENT.
Judson and Sons, London certificate

WATER METERS.

Kennedy's Water Meter Co., Kilmarnock certificate

GLUEINE CEMENT.

Kerr, E., Dublin certificate

ROOFING FELT.

Rogers, J., Belfast certificate

Jury Section XIII. and XXII.—CHEMICAL AND PHARMACEUTICAL PRODUCTS.

FIRST ORDER OF MERIT.

RAPID WATER FILTERS.

Cheavin, G., Boston gold

PHARMACEUTICAL PREPARATIONS,
WITH MALTINE.

Maltine Manufacturing Co., London gold

SOAPS AND CANDLES.

Price's Patent Candle Co. Limited, London gold

PHARMACEUTICAL PREPARATIONS,
COD LIVER OIL, & DERIVATIVES.
Southall Bros. and Barclay, Birmingham gold

OPIUM AND DERIVATIVES.

Smith, T. and H., London and Edinburgh gold

QUININE PREPARATIONS AND
STRYCHNINE.

Whiffen, T., London gold

PERFUMES, TOILET PREPARATIONS,
AND SOAPS.

Atkinson, J. and E., London silver
Gosnell, John, and Co., London silver
Rimmel, E., London silver

EAU DE COLOGNE.

Atkinson, J. and E., London silver
Gosnell, John, and Co., London silver

PERFUMES, TOILET PREPARATIONS,
SOAPS, AND ESSENTIAL OILS.

Piesse and Lubin, London silver

PERFUMES, ESSENTIAL OILS, FRUIT
ESSENCES, AND TOILET SOAPS.

Bush, W. J., and Co., London silver

ASSAY AND CHEMICAL BALANCES.

Avery, W. and T., Birmingham silver

INDIA-RUBBER GOODS.

Bell, H., London silver
Macintosh, C., and Co., Manchester silver

PAINTS, COLOURS, VARNISHES, ENA-
MEL PAINTS, ANTI-FOULING COM-
POSITION.

Blundell, Spence and Co. Limited, London silver

WHITE LEAD, RED LEAD, AND
WHITE ZINC.

Brown, Robert, and Co., Glasgow silver

OILS, COLOURS, AND VARNISHES.		PURE GRAIN MALT SUGARS.	
Brandram Bros. and Co., London	silver	Dutrulle, Solomons and Co., London	silver
Storer, David, and Sons, Glasgow	silver		
PAINTS, COLOURS.		MACHINE FOR TANNING.	
Peacock and Buchan, Southampton	silver	Molinier, C., & Co., London	silver
Silicate Paint Co., London	silver		
COLOURS AND VARNISHES.		VARNISHES.	
Turner, Charles, and Son, London	silver	Mander Brothers, London and Wolverhampton	silver
ANTI-CORROSIVE PAINTS.		FLUID ANNATTO.	
Carson, Walter, and Sons, London and Dublin	silver	Nicholls and Co., Wiltshire	silver
CHEMICALS, DRUGS, COLOURS, VARNISHES.		CARBOLIC ACID AND PREPARATIONS.	
Chambers, J., and Co., London	silver	Calvert, F. C., and Co., Bradford	silver
COLOURS, GLAZES FOR EARTHENWARE AND PORCELAIN.		RARE CHEMICAL & PHARMACEUTICAL PREPARATIONS.	
Harrison and Sons, Hanley	silver	Corbyn, Stacey and Co., London	silver
PAINTS, COLOURS, AND VARNISHES.		CANDLES.	
Bush, W. J., and Co., London	silver	Young's Paraffin and Mineral Oil Co. Limited, Glasgow	silver
Foulger, John, and Sons, London	silver		
Rose, Sir William A., and Co., London	silver	MARKING INK.	
CHEMICAL PRODUCTS.		Bailey Bros., London	bronze
Golding, Davis and Co. Limited, Lancashire	silver	BAKING POWDERS.	
PHARMACEUTICAL PREPARATIONS.		Borwick, G., and Sons, London	bronze
Herrings and Co., London	silver	LEATHER-DRESSING MACHINERY.	
Richardson, J., and Co., Leicester	silver	Huxham and Brown, Exeter	bronze
STONEWARE, CHEMICAL APPARATUS.		BLACKING, HARNESS AND LEATHER DRESSINGS.	
Doulton and Watts, London	silver	Harris, S. and H., London	bronze
		MUSTARD LEAVES.	
		Riggollot and Co., Southwark	bronze

SECOND ORDER OF MERIT.

ESSENTIAL OILS, CHEMICAL AND PHARMACEUTICAL PREPARATIONS.		GUMS, VARNISHES, AND POLISH.	
Burgoyne, Burbidges, Cyriax and Farries, London	certificate	Mackay, John, and Co., Edinburgh	certificate
PERFUMES, TOILET PREPARATIONS, AND SOAPS.		BAKING POWDER.	
Crown Perfumery Co., London	certificate	Maw, T., Leeds	certificate
MARKING INK.		EAU DE COLOGNE.	
Hockin, Wilson and Co., London	certificate	Rimmel, E., London	certificate
SANITARY COMPOUNDS.		LAUNDRY BLUE.	
Jeye, S. C., and Co., London	certificate	Reckitt and Sons Limited, Hull	certificate
		SILICATED CARBON FILTERS.	
		Silicated Carbon Filter Co., London	certificate

THIRD ORDER OF MERIT.

POLISHING PASTE, FURNITURE PASTES.	
Pickering, J., and Sons, Sheffield	certificate

FOURTH ORDER OF MERIT.

EFFERVESCENT PREPARATION.		FLAVOURING ESSENCES.	
Hockin, Wilson and Co., London	certificate	Mackay, J., and Co., Edinburgh	certificate

HONOURABLE MENTION.

EXTRACT OF SOAP.

Hudson, R. S., London certificate

SOLUBLE PHENYLE.

Morris, Little and Son, Doncaster certificate

WINE AND BEER FININGS.

Marshall and Holland, London certificate

Sub-Jury.—DISINFECTANTS.

HONOURABLE MENTION.

Home and Colonial Sanitary Co., London certificate

Jury Section XIV.—LEATHERWORK AND FANCY ARTICLES.

FIRST ORDER OF MERIT.

BRUSHWARE.

Crowden and Garrod, London silver
Hamilton and Co., London silver
Kent, G. B., and Co., London silverFeltham and Co., London silver
Lillywhite, Froud and Co., London silver

CAMP FURNITURE AND TENTS.

Fenby, J. B., and Co., Birmingham silver

GAMES—CRICKETING APPARATUS.

Duke and Son, Penshurst silver

COMBS.

Stewart, S. R., and Co., Aberdeen silver

SECOND ORDER OF MERIT.

GAMES—CRICKETING APPARATUS.

Ayers, F. H., London certificate
Nicholls, L., Robertsbridge certificate

FANCY ARTICLES IN WOODWORK.

Howard, James, London certificate

PORTMANTEAUS, TRUNKS.

Macintosh, C., and Co., Manchester certificate

BRUSHWARE.

Gosnell, John, and Co., London certificate
Titterton and Howard, London certificate
Star Brush Co. Limited, The, London certificate

CAMP FURNITURE.

Peyton and Peyton Co. Limited, The, Birmingham certificate

THIRD ORDER OF MERIT.

PORTMANTEAUS, TRUNKS.

Anderson, Abbott and Anderson, London certificate
Currie, W., and Co., Edinburgh certificate

FANCY ARTICLES IN WOODWORK.

Jaques, Zacharia, Dublin certificate

FIFTH ORDER OF MERIT.

CAMP FURNITURE.

Allen, Thomas, Bristol certificate

Jury Section XV.—COTTON, FLAX, HEMP, CLOTHING, &c.

FIRST ORDER OF MERIT.

SEWING AND OTHER COTTONS.

Ashworth, E., and Sons, Bolton gold

BLEACHED CALICO.

Crewdson, Crosses and Co. Limited, Manchester gold
Swainson, Birley and Co., Preston gold

HATS.

Christy, J. E. and W., and Co., London gold
Lincoln, Bennett and Co., London gold

SILICIA DRESS GOODS.

Ferguson Bros., Carlisle gold

COTTON DRESS GOODS.			UMBRELLAS AND PARASOLS.	
Haslam, J., and Co., Manchester	gold		Currey and Mills, London	silver
Harrison, E., and Co., London and Manchester	gold			
COTTON QUILTS AND BLANKETS.			PRINTING ON COTTON DRESS GOODS.	
Johnson, J., and Fildes, Manchester	gold		Crum, W., and Co., Manchester	silver
MEN'S WATERPROOF CLOTHING.			LINEN THREADS.	
Anderson, Abbott and Anderson, London	silver		Barbour, W., and Sons, Lisburn	silver
Bartrum, Harvey and Co., London	silver		Harris, J., and Sons, Cockermouth	silver
Macintosh, C., and Co., Manchester	silver		Marshall and Co., Leeds	silver
LINEN FABRICS.			GLOVES.	
Bessbrook Spinning Co. Limited, Bessbrook	silver		Fownes Bros. and Co., London	silver
Northern Spinning and Weaving Co. Limited, Belfast	silver		CORSETS.	
Shields and Co., Perth	silver		Thomson, W. S., and Co., London	silver
York-street Flax Spinning Co. Limited, Belfast	silver		SHIRTS, COLLARS, TIES.	
			Welch, Margetson and Co., London	silver
			NATIVE COSTUMES.	
			Meyer and Mortimer, London	bronze
			GAITERS.	
			Slazenger and Fils, Manchester	bronze

SECOND ORDER OF MERIT.

LINEN THREADS.			MEN'S WATERPROOF CLOTHING.	
Ainsworth, T., Cumberland	certificate		Currie, W., and Co., Edinburgh	certificate
Ullathorne and Co., London	certificate			
EIDERDOWN GRASS.			ELASTIC WEBBING.	
Booth and Fox, London	certificate		Dean, W., and Son, Derby	certificate
SEWING AND OTHER COTTONS.			MEN'S MADE-UP CLOTHING.	
Clark and Co., Paisley	certificate		Hollington Bros., London	certificate
Coats, J. and P., Paisley	certificate			
Evans, W., and Co., Derby	certificate		BLEACHED CALICO.	
Kerr, Price and Co., Paisley	certificate		Haslam, J., and Co., Manchester	certificate

THIRD ORDER OF MERIT.

ELASTIC WEBBING.			CORSETS.	
Coventry Elastic Weaving Co. Limited, Coventry	certificate		Herbert and Co., London	certificate
UMBRELLA FURNITURE.			HATS.	
Corder and Turley, Birmingham	certificate		Hargroves, R. A. and J., and Co., London	certificate
SOLITAIRES.			MEN'S WATERPROOF CLOTHING.	
Hick, W., Huddersfield	certificate		Marshall and Snelgrove, London	certificate

FOURTH ORDER OF MERIT.

SEWING AND OTHER COTTONS.			GARTERS.	
Chadwick, J., and Brothers, Bolton	certificate		Perry and Co. Limited, London and Birmingham	certificate
LADIES' LEATHER BELTS.				
Fyfe and Robinson, London	certificate			

FIFTH ORDER OF MERIT.

PAPER COLLARS AND CUFFS.	
Brooke, J., and Co., London	certificate

Sub-Jury.—BOOTS.**FIRST ORDER OF MERIT.**

FACTORY BOOTS.		BOOTS.	
Brightman Bros., Bristol	silver	Berthier, R., and Co., London	silver
Manfield and Sons, Northampton	silver		
Vernon, R., and Co., Staffordshire	silver	BOOT LASTINGS.	
		Stansfield, Brown and Co., Yorkshire	bronze

SECOND ORDER OF MERIT.

BOOTS.		BOOTS.	
Clark, C. and J., Glastenbury	certificate	Larrat, Simpson and Co., Leicester	certificate
Jones, W., Newland	certificate	Mottram, T. B., Stafford	certificate

THIRD ORDER OF MERIT.

BOOTS.		BOOTS.	
Cook, S., London	certificate	Golding, Davis and Co., London	certificate
Flatau, A. W., and Co., London	certificate	Howlett and White, Norwich	certificate
		Payne and Hill, Northampton	certificate

Jury Section XVI.—WORSTED AND WOOLLEN GOODS.**FIRST ORDER OF MERIT.**

WORSTED AND WOOLLEN GOODS.		WORSTED AND WOOLLEN GOODS.	
Bliss, William, and Son, Chipping-Norton	gold	Rust, T. W., and Co., Leicester	gold
Brooke, J., and Son, Huddersfield	gold	Salter, Sam., and Co., Trowbridge	gold
Child, William, Huddersfield	gold	Stansfield, Brown and Co., Bradford	gold
Firth, T. F., and Son, Brighouse	gold	Stanton and Son, Stroud	gold
Hooper, Charles, and Co., Stonehouse	gold	Strachan and Co., Stroud	gold
Hunt and Winterbotham, Cam-Dursley	gold		
Lawton, G., and Sons, Mossley	gold	SHAWLS.	
Libby, John, and Co., Stroud	gold	Cranston and Elliot, Edinburgh	silver
Marling and Co., Stroud	gold	Firth, T. F., and Son, Brighouse	silver
		Jones, P., Newtown	silver

SECOND ORDER OF MERIT.

WORSTED AND WOOLLEN GOODS.		WORSTED AND WOOLLEN GOODS.	
Brooke, Jno., and Son, Huddersfield	certificate	Turner, J. B., and Co., Huddersfield	certificate
Crossland, Benjamin, and Sons, Huddersfield	certificate	Walker, Joseph, and Sons, Huddersfield	certificate
Hogg Bros., Selkirk	certificate		
Mahony, M., and Bros., Cork	certificate	SHAWLS.	
		Bliss, W., and Son, Chipping-Norton	certificate

THIRD ORDER OF MERIT.

SHAWLS.	
Walker, J., and Sons, Huddersfield	certificate

Jury Section XVII.—SILK AND LACE.**FIRST ORDER OF MERIT.**

TWIST AND REELED SILK.		SILK FABRICS.	
Rickards, C. A., Leeds	silver	Tutill, George, London	silver

SECOND ORDER OF MERIT.

TWIST AND REELED SILK.	
Watson and Co., Leek	certificate

THIRD ORDER OF MERIT.

TWIST AND REELED SILK.

Milner, W., and Sons, Leek certificate

FOURTH ORDER OF MERIT.

TWIST AND REELED SILK.

Gibson, S., London certificate

Jury Section XVIII.—WEAPONS, &c.

FIRST ORDER OF MERIT.

WARLIKE MATERIAL.

Armstrong, Sir William, and Co., New-
castle-on-Tyne gold

SHOT GUNS.

Greener, W. W., London gold
Purdey, J., and Sons, London gold

SPORTING RIFLES.

Henry, Alexander, Edinburgh gold

GENERAL EXCELLENCE OF WORKMAN-
SHIP OF SHOT GUNS, RIFLES, &c.

Scott, W. and C., and Son, Birming-
ham gold

HAMMERLESS BREECH-LOADING
SPORTING GUNS.

McNaughton, J., Edinburgh gold

FUZES.

Bickford, Smith and Co., Tuckingmill silver
Brunton, W., and Co., Wrexham silver

CARTRIDGES AND PERCUSSION CAPS.

Eley Brothers Limited, London silver

SPORTING GUNPOWDER.

Hall, J., and Son, Faversham silver

GUNPOWDER FOR RIFLES.

Kennall Gunpowder Co., London silver

CANNON, CUBE, AND PEBBLE POWDER,
AND COMPRESSED BLASTING POWDER.

Kennall Gunpowder Co., London silver

BLASTING POWDER.

Pigou, Wilks and Laurence Limited,
London silver

SILK, SALMON AND TROUT LINES,
AND GUT CASTING LINES.

Allcock, S., and Co., Redditch bronze

FISHING TACKLE AND RODS.

McNaughton, J., Edinburgh bronze

HOOKS.

Milward, H., and Son, Redditch bronze
Thomas, S., and Sons, Redditch bronze

HEMP AND OTHER FISHING LINES.

Hounsell, W., and Co., Bridport bronze

NETS, FISHING AND BIRD.

Stuart, J. and W., Musselburgh bronze

SECOND ORDER OF MERIT.

SHOT GUNS.

Lewis, G. E., Birmingham certificate

SALMON FLIES.

Milward, H., and Son, Redditch certificate

SPORTING POWDER.

Pigou, Wilks and Laurence
Limited, London certificate

FISH HOOKS.

Turner, R., and Son, Redditch certificate

Jury Section XIX.—PRODUCTS OF FORESTS.

SECOND ORDER OF MERIT.

CORKWOOD AND CORKS.

Perkins, J., and Sons, London certificate

Jury Section XXIII.—LEATHER AND SKINS.**FIRST ORDER OF MERIT.****SOLE LEATHER.**

Evans, P. S., and Co., Bristol

silver

Sub-Jury.—SADDLERY, HARNESS, &c.**FIRST ORDER OF MERIT.****LADIES' AND GENTLEMEN'S SADDLES
AND BRIDLES.**

Bliss, W., and Co., London silver

HARNESS.

Bliss, W., and Co., London silver

CARRIAGE HARNESS.

Bliss, W., and Co., London silver

SADDLES, HARNESS, AND WHIPS.Cope, Benjamin, Bloxwich, near
Walsall silver**SADDLERY & HARNESS FURNISHING.**

Sydenham, G., Walsall silver

WHIPS.

Davis and Wilson, Birmingham bronze

Zair, G. and J., Birmingham bronze

CLIPPERS.

Martin, Robert, Old Charlton, Kent bronze

THIRD ORDER OF MERIT.**SADDLES AND BRIDLES.**

Jones, Edward, Birmingham

bronze

Jury Section XXIV. and XXV.—AGRICULTURAL IMPLEMENTS.**FIRST ORDER OF MERIT.****WINNOWER.**

Corbett and Peele, Shrewsbury gold

Hornsby, R., and Sons Limited,
Grantham gold**STEAM THRESHING MACHINES.**

Clayton and Shuttleworth, Lincoln gold

Gibbons, P. and H. P., Wantage gold

Hornsby, R., and Sons Limited,
Grantham gold

Marshall, Sons and Co., Gainsborough gold

Ransomes, Sims and Head, Ipswich gold

Ruston, Proctor and Co., Lincoln gold

Robey and Co., Lincoln gold

**"INVINCIBLE AND CLIMAX" PLOUGHS
AND DIGGERS.**

Davey, Sleep and Co., Cornwall gold

REAPERS AND MOWERS.

Howard, J. and F., Bedford gold

Murray, G. W., and Co., Banff gold

Samuelson and Co., Banbury gold

REAPER.Hornsby, R., and Sons Limited,
Grantham goldHarrison, M'Gregor and Co., Leith,
Lancashire gold**MOWER.**Hornsby, R., and Sons Limited,
Grantham goldHarrison, M'Gregor and Co., Leith,
Lancashire gold**PLOUGHS.**

Howard, J. and F., Bedford gold

Hornsby, R., and Sons Limited,
Grantham gold

Ransomes, Sims and Head, Ipswich gold

Sellars, G., and Son, Huntly gold

HILL-SIDE PLOUGH.

Murray, G. W., and Co., Banff gold

MODEL STABLE AND FITTING.

Musgrave and Co., Belfast gold

HORSE AND HAND POWER THRESHING MACHINES.

Hunt and Tawell, Earl's Colne silver

SCARIFIERS, CULTIVATORS, DIGGERS.

Howard, J. and F., Bedford silver

Hornsby, R., and Sons Limited, Grantham silver

Ransomes, Sims and Head, Ipswich silver

Sellars, G., and Son, Huntly silver

HORSE HOE.

Corbett and Peele, Shrewsbury silver

Garrett, R., and Sons, Leiston silver

CULTIVATORS.

Coleman and Morton, Chelmsford silver

Rainforth, W., and Sons, Lincoln silver

HARROWS.

Corbett and Peele, Shrewsbury silver

Denton, H., Wolverhampton silver

Howard, J. and F., Bedford silver

Murray, G. W., and Co., Banff silver

Sellars, G., and Son, Huntly silver

CAMBRIDGE ROLLERS.

Denton, H., Wolverhampton silver

Howard, J. and F., Bedford silver

Hunt and Tawell, Earl's Colne silver

HORSE HAY RAKE.

Howard, J. and F., Bedford silver

Ransomes, Sims and Head, Ipswich silver

BROAD-CAST SOWER.

Smyth and Sons, Peasenhall silver

SEED DRILL.

Corbett and Peele, Shrewsbury silver

Garrett, R., and Sons, Leiston silver

Hunt and Tawell, Earl's Colne silver

Smyth and Sons, Peasenhall silver

CORN CRUSHERS.

Bentall, E. H., and Co., Heybridge silver

Hunt and Tawell, Earl's Colne silver

Nicholson, W. M., and Co., Newark-on-Trent silver

Richmond and Chandler, Manchester silver

CHAFF-CUTTERS.

Bentall, E. H., and Co., Heybridge silver

Harrison, McGregor and Co., Leith, Lancashire silver

Richmond and Chandler, Manchester silver

HORSE POWER.

Hunt and Tawell, Earl's Colne silver

Nicholson, W. M., and Co., Newark-on-Trent silver

Richmond and Chandler, Manchester silver

CHEESE PRESSES.

Corbett and Peele, Shrewsbury silver

ROOT PULPER.

Corbett and Peele, Shrewsbury silver

Hornsby, R., and Sons Limited, Grantham silver

GRASS-SEED STRIPPERS.

Rainforth, W., and Sons, Lincoln silver

WIRE FENCE.

Imperial Wire Co., Birmingham silver

MILL MACHINERY.

Corcoran, Witt and Co., London silver

Dell and Sons, London silver

CORN MILL.

Ruston, Proctor and Co., Lincoln silver

SCALES USED IN AGRICULTURAL WORKS.

Avery, W. and T., Birmingham silver

GRAIN SEPARATOR.

Coleman and Morton, Chelmsford silver

AGRICULTURAL IMPLEMENTS.

Hornsby, R., and Sons Limited, Grantham silver

Howard, J. and F., Bedford silver

Ransomes, Sims and Head, Ipswich silver

POTATO DIGGER.

Howard, J. and F., Bedford silver

OIL-CAKE MILL.

Corbett and Peele, Shrewsbury silver

HEDGE CUTTER.

Hornsby, R., and Sons Limited, Grantham bronze

WATER AND LIQUID MANURE CARTS.

Coleman and Morton, Chelmsford bronze

MILLSTONES.

Corcoran, Witt and Co., London bronze

Dell and Sons, London bronze

STOCKBREEDERS' MEDICINE CHEST.

Day, Son and Hewitt, London bronze

PATENT CHILLED PLOUGHSHARES.

Hornsby, R., and Sons Limited, Grantham bronze

Ransomes, Sims and Head, Ipswich bronze

DOMESTIC APPLIANCES.

Kent, G., London bronze

PATENT CHILLED PLOUGHSHARES MACHINE-MADE PLOUGH WHEELS CASTINGS.

Howard, J. and F., Bedford bronze

SECOND ORDER OF MERIT.

REAPERS AND MOWERS.		CORN CRUSHERS.	
Brigham and Co., Berwick	certificate	Turner, E. R., and F., Ipswich	certificate
MOWERS.		CHAFF-CUTTERS.	
Handyside and Co. Limited, Derby	certificate	Crowley, John, and Co., Sheffield	certificate
WINNERS.		Hunt and Tawell, Earl's Colne	certificate
Hunt and Tawell, Earl's Colne	certificate	HORSE POWERS.	
Richardson and Sons, Carlisle	certificate	Bentall, E. H., and Co., Heybridge	certificate
STEAM THRESHING MACHINES.		Turner, E. R. and F., Ipswich	certificate
Garrett, R., and Sons, Leiston	certificate	PRESSES.	
PLOUGHS.		Ladd, J. H., and Co., London	certificate
Corbett and Peele, Shrewsbury	certificate	STABLE FITTINGS.	
Cooke, J., Lincoln	certificate	Allen, James, sen., and Co., London	certificate
POTATO DIGGER.		Clark, T. and C., Wolverhampton	certificate
Penney and Co. Limited, Lincoln	certificate	WHIPPLE-TREES.	
CAMBRIDGE ROLLER.		Coleman and Morton, Chelmsford	certificate
Nicholson, W. M., and Co., New-ark-on-Trent	certificate	FLOUR MILLS AND MILLSTONES.	
HARROWS.		Turner, E. R. and F., Ipswich	certificate
Nicholson, W. M., and Co., New-ark-on-Trent	certificate	SAUSAGE MACHINES.	
SEGMENT ROLLERS.		Gardner, J., Birmingham	certificate
Corbett and Peele, Shrewsbury	certificate	Harris, G. H., Birmingham	certificate
HORSE HAY RAKES.		CHEESE PRESSES AND CURD MILL.	
Jeffrey and Blackstone, Stamford	certificate	Young, J. and T., Ayr	certificate
Nicholson, W. M., and Co., New-ark-on-Trent	certificate	BRAKE HARROWS.	
THIRD ORDER OF MERIT.		Rainforth, W., and Sons, Lincoln	certificate
HORSE POWERS.		GRAIN SEPARATOR.	
Nicholson, W. M., and Co., New-ark-on-Trent	certificate	Penney and Co., Lincoln	certificate

THIRD ORDER OF MERIT.

HORSE POWERS.		CHAFF-CUTTERS.	
Nicholson, W. M., and Co., New-ark-on-Trent	certificate	Corbett and Peele, Shrewsbury	certificate
		Jeffrey and Blackstone, Stamford	certificate

FIFTH ORDER OF MERIT.

THE ECLIPSE REAPER KNIFE GRINDER.		MODELS OF ROLLER AND STEAM PLOUGH.	
Handyside and Co. Limited, Derby	certificate	Barford and Perkins, Peterborough	certificate

Jury Section XXVI.—MACHINES, MACHINE TOOLS.

FIRST ORDER OF MERIT.

PORTABLE ENGINE.		GENERAL WOOD-WORKING MACHINERY.	
Clayton, Shuttleworth and Co., Lincoln	gold	Powis, Charles, and Co., London	gold
Garrett, R., and Sons, Leiston	gold	Robinson, Thomas, and Sons, London	gold
Hornsby, R., and Sons Limited, Grantham	gold	ACCUMULATOR CRANE, JIGGER, CAPSTAN, ACCUMULATORS, ENGINES.	
Marshall, Sons and Co. Limited, Gainsborough	gold	Armstrong, Sir William, and Co. Limited, Newcastle-on-Tyne	gold
Ransomes, Sims and Head, Ipswich	gold		

FIRE ENGINES.			PLATFORM MACHINES OF ALL KINDS.		
Shand, Mason and Co., London	gold		Avery, W. and T., Birmingham	silver	
Merryweather and Sons, London	gold		Pooley, H., and Son, Liverpool	silver	
GAS ENGINES.			PORTABLE FORGES.		
Crossley Bros., Manchester	gold		Allday, W., and Sons, Birmingham	silver	
MARINE ENGINES.			HEAVY FORGINGS.		
Orient S. N. Co. (Anderson, Anderson and Co.), London	gold		Vickers, Sons, and Co. Limited, Sheffield	silver	
WINDING ENGINES.			STEAM BOILERS.		
Garrett, R., and Sons, Leiston	gold		Garrett, R., and Sons, Leiston	silver	
Robey and Co., Lincoln	gold		STEAM HAMMERS.		
HORIZONTAL ENGINES.			Scott Bros., Halifax	silver	
Cochrane, J., and Co., Barrhead	gold		LATHES.		
Marshall, Sons and Co. Limited, Gainsborough	gold		Cochrane, John, Barrhead	silver	
Tangye Bros., Birmingham	gold		Scott Bros., Halifax	silver	
SEMI-PORTABLE ENGINES.			HYDRAULIC PASSENGER LIFT.		
Robinson and Sons, London	gold		Bunnett and Co. Limited, London	silver	
Seeking and Ellery, Gloucester	gold		FORCE LIFT AND HAND PUMPS.		
Tangye Bros., Birmingham	gold		Jennings, George, London	silver	
WEIGHBRIDGES OF VARIOUS KINDS.			Stone, J., and Co., London	silver	
Avery, W. and T., Birmingham	gold		PULSOMETERS.		
Pooley, H., and Co., Liverpool	gold		Schaffer and Budenberg, Manchester	silver	
BARK DISINTEGRATOR AND PUMP.			STEAM PUMPS.		
Huxham and Brown, Exeter	gold		Tangye Bros., Birmingham	silver	
STEAM SAFETY-VALVES.			LEATHER BELTING.		
Adams, Thomas, Manchester	gold		Fleming, T., Halifax	silver	
CHERRY'S PATENT HYDRAULIC MOTOR.			Tullis, J., and Son, Glasgow	silver	
Tangye Bros., Birmingham	gold		INDIA-RUBBER BELTING AND HOSE.		
PORTABLE ENGINES.			Anderson, Abbott and Anderson, London	silver	
Robey and Co., Lincoln	gold		COMPOSITION BELTING.		
Ruston, Proctor and Co., Lincoln	gold		Anderson, Abbott and Anderson, London	silver	
BRICKMAKING MACHINERY.			HOSE COUPLINGS.		
Fawcett, Thomas C., Leeds	gold		Morris, W., Salford	silver	
AIR-COMPRESSING MACHINERY.			HYDRAULIC AND SCREW LIFTING JACKS.		
Stillwell and Co., London	gold		Tangye Bros., Birmingham	silver	
VERTICAL ENGINES, WITH BOILER.			SCREW JACKS.		
Marshall, Sons and Co. Limited, Gainsborough	gold		Ibbotson Bros. and Co. Limited, Sheffield	silver	
Ransomes, Sims and Head, Ipswich	gold		STEEL ROLLERS.		
Tangye Bros., Birmingham	gold		Ibbotson Bros. and Co. Limited, Sheffield	silver	
SAW-BENCHES.			GUN-METAL FITTINGS AND BOILER MOUNTINGS.		
Marshall, Sons and Co. Limited, Gainsborough	silver		Russell, J., and Sons Limited, Weynesbury	silver	
Powis, Chas., and Co., London	silver				
Robinson, Thomas, and Sons, London	silver				
HAND FIRE-PUMPS.					
Dick, W. B., and Co., Glasgow	silver				
Stone, J., and Co., London	silver				
Tangye Bros., Birmingham	silver				

TUBES OF VARIOUS SECTIONS.

Russell, J., and Sons Limited, Wed-
nesbury silver

SPECIMEN OF FLANGED AND COILED
TWISTED TUBES.

Russell, J., and Sons Limited, Wed-
nesbury silver

WROUGHT-IRON TUBES & FITTINGS.

Russell, J., and Sons Limited, Wed-
nesbury silver

IMPROVED SYSTEM OF WROUGHT-
IRON TUBE MAKING.

Peyton and Peyton Tube Co. Limited,
The, Birmingham silver

BRASS AND COPPER BOILER AND
CONDENSER TUBES.

Everitt, Allen and Sons, Birmingham silver

STEAM AND WATER FITTINGS, LAWN
SPRINKLER, PUMPS.

Meynell and Inman, Wolverhampton silver

MORRIS TAPPING APPARATUS.

Stone, J., and Co., London silver

NAVY PUMPS, HYDRANTS, AND
SLUICE-VALVES.

Stone, J., and Co., London silver

CARTRIDGE-MAKING MACHINERY.

Greenwood and Batley, Leeds silver

PUMPS.

Jennings, George, London silver

BEER ENGINES.

Sanders and Sons, London silver

LATHES AND DRILLING MACHINE.

Tangye Bros., Birmingham silver

BENCH AND VYCE SCREWS.

Wright, Peter, and Sons, Dudley silver

BELLOWS.

Allday, W., and Sons, Birmingham silver

STAND SCALES AND COUNTER MA-
CHINES OF ALL DESCRIPTIONS.

Avery, W. and T., Birmingham silver

EYRE'S PATENT SELF-BLOWING
STEAM FORGE.

Onions, J. C., Limited, Birmingham silver

STEAM BOILER FITTINGS.

Fleming, Thomas, and Sons, Halifax silver

MORTISING MACHINES.

Mathieson, A., and Son, Glasgow silver

MODEL OF STEAM CRANE.

Priestman Bros., Hull bronze

MODEL OF PILE-DRIVER.

Priestman Bros., Hull bronze

METALINE BEARERS AND SHEAVES.

Wallace, John, and Co., London bronze

TRACTION DYNAMOMETER.

Howard, J. and F., Bedford bronze

ANNEALED GAUGE GLASSES.

Moncrief, John, Perth bronze

WESTON'S BLOCKS.

Tangye Bros., Birmingham bronze

PULLEY BLOCKS.

Clark, T. and C., and Co., Wolver-
hampton bronze

SECOND ORDER OF MERIT.

SECTIONS OF WATER PIPES.

Stewart, D. Y., and Co., Glasgow certificate

STEAM GOVERNORS.

Gibbons, P. and H. P., Wantage certificate

STEAM GOVERNORS, INJECTORS, LU-
BRICATORS, AND STEAM BOILER
FITTINGS.

Tangye Bros., Birmingham certificate

STEAM HAMMERS.

Cochrane, John, Barrhead certificate

LATHES.

Lee and Hunt, Nottingham certificate

PLANING MACHINES.

Scott Bros., Halifax certificate

CHAIN PUMPS.

Murray, G. W., and Co., Banff certificate

FORCE, LIFT, AND HAND PUMPS.

Underhay, F. G., London certificate

LEATHER BELTING.

Schaffer and Budenberg, Man-
chester certificate

COMPOSITION BELTING.

Cobett, W. certificate

Gandy, M., Liverpool certificate

COMPOSITION HOSE.

MacGregor and Co., Dundee certificate

GRINDSTONE TROUGH.

Allday, W., and Sons, Birmingham certificate

BUSS'S PSEUDOSTATIC GOVERNOR.

Schaffer and Budenberg, Manchester certificate

AIR COMPRESSORS.

Schram, R., Chesterfield certificate

MERCURIAL PRESSURE-GAUGE AND TALLOW CUPS.

Nettlefold and Co., Birmingham certificate

SCREWING MACHINES.

Cochrane, John, Barrhead certificate

PORTABLE ENGINES.

Gibbons, P. and H. P., Wantage certificate

GENERAL WOOD-WORKING MACHINE.

Cochrane, John, Barrhead certificate

Polyblank and Co., Newton Abbot certificate

Reynolds, F. W., and Co., London certificate

SAW-BENCHES.

Garrett, R., and Sons, Leiston certificate

Hornsby, R., and Sons Limited, Grantham certificate

Ruston, Proctor and Co., Lincoln certificate

HAND FIRE-PUMPS.

Merryweather and Sons, London certificate

Shand, Mason and Co., London certificate

MARINE ENGINES.

Seekings and Ellery, Gloucester certificate

HORIZONTAL ENGINES.

Hindley, E. S., Bourton certificate

Turner, E. R. and F., Ipswich certificate

WEIGHBRIDGES.

Hodgson and Stead, London and Manchester certificate

PLATFORM MACHINES.

Hodgson and Stead, London and Manchester certificate

BELLOWS AND PORTABLE FORGES.

Handyside, A., and Co. Limited, Derby certificate

VERTICAL ENGINES, WITH BOILERS.

Cochrane, J., Barrhead certificate

Foster, William, and Co. Limited, Lincoln certificate

Gibbons, P. and H. P., Wantage certificate

Hindley, E. S., Bourton certificate

Nicholson, W. M., and Co., Newark-on-Trent certificate

Powis, C., and Co., London certificate

Robey and Co., Lincoln certificate

Turner, E. R. and F., Ipswich certificate

THIRD ORDER OF MERIT.**HAND DRILLS.**

Ibbotson Bros. and Co. Limited, Sheffield certificate

CAST-STEEL CRANK AND PISTON RODS.

Ibbotson Bros. and Co. Limited, Sheffield certificate

SAW-BENCHES.

Foster, W., and Co. Limited, Lincoln certificate

Hindley, E. S., Bourton certificate

Reynolds, F. W., and Co., London certificate

Robey and Co., Lincoln certificate

PORTABLE FORGE.

Nottingham Malleable Iron Co., Nottingham certificate

VERTICAL ENGINES, WITH BOILERS.

Jeffrey and Blackstone, Stamford certificate

Young, J. and S., Ayr certificate

PORTABLE ENGINE.

Foster and Co., Lincoln certificate

ROCK-BORING DRILLS.

Schram, R., Chesterfield certificate

FOURTH ORDER OF MERIT.**CENTRIFUGAL AND ROTARY PUMPS.**

Rennie, J. certificate

Jury Section XXVII.—CARRIAGES.**FIRST ORDER OF MERIT.****LANDAUS, C., AND UNDER-SPRING.**

M'Naught and Smith, Worcester gold

LANDAUS, ELLIPTIC, 5-LIGHT.

M'Naught and Smith, Worcester gold

LANDAUS, CLOSE ELLIPTIC.

Offord, J., and Co., London gold

BENT TIMBER.

Hopton and Sons, London gold

VICTORIA PHAETON.
Offord, J., and Co., London silver

STANHOPE OPEN PHAETONS.
Offord, J., and Co., London silver

BICYCLES.
Coventry Machinist Co. Limited,
Coventry silver
Singer and Co., Coventry silver

CARRIAGE FURNITURE.
Lowe, Sleigh, Bevan and Co., Bir-
mingham silver

SPRINGS, BOLTS.
Marshall, Sanders and Co., Birming-
ham bronze

DRAY AND LORRY ARMS, AXLES,
SPRINGS.
Rigby, J., and Sons Limited, Wednes-
bury bronze

PATENT WHIP SOCKET.
Davis and Wilson, Birmingham bronze

AXLES.
Kirkstall Forge Co., Leeds bronze

AXLE ARMS.
Turton Bros. and Matthews, Sheffield bronze

SECOND ORDER OF MERIT.

BICYCLE FITTINGS.
Smith, T., and Sons, Birmingham certificate

WAGGONETTES, OPEN.
Offord, J., and Co., London certificate

BICYCLES.
Hickling and Co., London certificate

HONOURABLE MENTION.

PARISIAN PHAETON.
Hopton and Sons, London certificate

Jury Section XXVIII.—RAILWAYS, MINING, AND METALLURGY.

FIRST ORDER OF MERIT.

MANUFACTURED IRON AND STEEL.
Brown, J., and Co. Limited, Sheffield gold
Castle Iron Co., Birmingham gold
Cooke, William, and Co. Limited,
Sheffield gold
Kirkstall Forge Co., Leeds gold
Patent Shaft and Axle-tree Co.
Limited, Wednesbury gold
West Cumberland Iron and Steel Co.
Limited, Workington gold

SHEET IRON AND TINNED PLATES.
Baldwin, E. P. and W., Stourport gold
Hatton, Son and Co., Kidderminster gold

IRON AND STEEL.
Barrows, William, and Sons, Tipton gold
Dudley, Earl of, Dudley gold
Granville, Earl, K.G., and the Shelton
Bar Iron Co., Stoke-on-Trent gold
Hingley, N., and Sons, Dudley gold
Steel Co. of Scotland Limited, Glasgow gold

FIRE AND BURGLAR PROOF SAFES.
Chatwood's Patent Safe and Lock Co.,
Bolton gold
Hobbs, Hart and Co., London gold
Milner's Safe Co., Liverpool gold

AUGERS, PICKS, HAMMERS, CART
ARMS, AND EDGE TOOLS.
Gilpin, W., sen., and Co., Cannock gold

CRUCIBLE, STEEL CASTINGS.
Hadfield Steel Foundry Co., Sheffield gold

STEEL.
Ibbotson Bros. and Co. Limited,
Sheffield gold
Jessop, William, and Sons Limited,
Sheffield gold
Turton Bros. and Matthews, Sheffield gold

TRACTION ENGINE.
Marshall, Sons and Co. Limited,
Gainsborough gold

EDGE TOOLS, PLANES, AUGERS,
SCREW-BITS.
Mathieson, A., and Son, Glasgow gold

EDGE TOOLS, JOINERS' TOOLS.
Marples, William, and Sons, Sheffield gold

RUSTLESS IRON.
Rustless and General Iron Co., London gold

EDGE TOOLS, OF WHICH THE FOLLOWING
ARE THE PRINCIPAL, VIZ.:—FILES, ENGI-
NEERS' TOOLS, SAWS.

Ibbotson Bros. and Co. Limited,
Sheffield gold

EDGE TOOLS, SAWS, FORKS. ENGI-
NEERS' HAMMERS AND TOOLS.

Spear and Jackson, Sheffield gold

IRON FROM THE RAW MATERIAL.

Shotts Iron Co., The, Glasgow gold

"NORMANDY" ROCK-BORERS.

Stillwell and Co., London gold

EDGE TOOLS, FILES, HAMMERS, AND
TIMMIS'S SPRINGS.

Turton Bros. and Matthews, Sheffield gold

EDGE TOOLS, FILES, CHAFF-CUTTER
KNIVES.

Tyzack, Sons and Turner, Sheffield gold

STEEL CRANK.

Vickers, Sons and Co. Limited, Sheffield gold

EDGE TOOLS, SHEEP - SHEARS,
CHISELS, GAUGES, CARVING TOOLS.

Ward and Payne, Sheffield gold

GALVANISED IRON.

Ash and Lacy, Birmingham silver

Blackwall Galvanised Iron Co. Lim-
ited, London silver

Castle Iron Co., Birmingham silver

Gospel Oak Galvanised Iron and Wire
Co., London silver

Pinson and Evans, Wolverhampton silver

Walker, W. E. and R. G., Dudley silver

TINNED AND ENAMELLED STAMPED
WARE.

Anglo-American Tin Stamping Co.,
Stourport silver

DECORATED TINWARE.

Bryant and May, London silver

TOOLS AND SHEEP-SHEARS.

Burys and Co., Sheffield silver

SHEEP-SHEARS.

Burgon and Ball, Sheffield silver

SPADES, FORKS, SHOVELS, AND DRAIN-
ING TOOLS.

Black, T., and Sons, Berwick-on-Tweed silver

HOLLOWARE AND STAMPED GOODS.

Baldwin, Son and Co., Stourport silver

Clark, T. and C., and Co., Wolverhamp-
ton silver

Kenrick, A., and Sons, West Bromwich silver

FIRE-ALARM SIGNALS.

Bagot, A. C., London silver

ANVILS, VICES.

Brooks and Cooper, Sheffield silver

Wright, Peter, and Sons, Dudley silver

Wilkinson, J., and Sons, Dudley silver

WIRE NETTING.

Brown, J. B., and Co., London silver

FILES.

Cammell, C., and Co. Limited, Shef-
field silver

Johnson, Christopher, and Co., Shef-
field silver

Spencer, W., and Co., Rotherham silver

ENAMELLED SHOW-PLATES.

Causton, Sir Joseph, and Sons, London silver

ENAMELLED PLATES.

Patent Enamel Co., Birmingham silver

WIRE-WORK AND WOVE WIRE.

Corcoran, Witt and Co., London silver

MALLEABLE CASTINGS.

Crowley, J., and Co., Sheffield silver

IRON AND STEEL SPRING COPPERED
WIRE.

Cooke, William, and Co. Limited, Shef-
field silver

SAW-TOOLS AND STEEL.

Dodge, Joseph and R., Limited, Shef-
field silver

ENGINEERS' TOOLS IN GENERAL.

Daniell, S. A., Birmingham silver

FIRE BRICKS.

Dunnachie, James, Glasgow silver

CASED BRASS TUBING.

Everitt, A., and Sons, Birmingham silver

JAPANNED IRON AND TINWARE.

Fearncombe, H., and Co., Wolverhamp-
ton silver

SMELTING AND ASSAYING APPARATUS.

Doulton and Co., London silver

PLANES.

Greenslade, E. A. and W., Bristol silver

WROUGHT-IRON FIELD AND WICKET
GATES AND FENCING.

Hill and Smith, Staffordshire silver

SPADES AND SHOVELS.

Lyndon, W. A., Birmingham silver

SEWING NEEDLES.

Milward, H., and Sons, Redditch silver

Thomas, S., and Sons, Redditch silver

Turner, R., and Sons, Redditch silver

WIRE ROPE.	
Newall, R. S., and Co., Gateshead-on-Tyne	silver
SCREW BOLTS AND NAILS.	
Nettlefolds Limited, Birmingham	silver
Patent Nut and Bolt Co., Birmingham	silver
DIFFERENTIAL RATCHET BRACE, FENCING-WIRE KNOTTING MACHINE.	
Nettlefolds Limited, Birmingham	silver
BLACKSMITHS' TOOLS, BELLOWS AND PORTABLE FORGES.	
Onions, J. C., Limited, Birmingham	silver
SPADES, FORKS, SHOVELS, AND DRAINING TOOLS.	
Parkes, F., and Co. Limited, Birmingham	silver
PHOSPHOR-BRONZE.	
Phosphor-Bronze Co. Limited, London	silver
RULES, SAW-SETS, SPECIAL SMALL TOOLS.	
Preston, Edward, Birmingham	silver
MITRE CUTTER AND "CROWN" FLOORING CRAMP.	
Reynolds, F. W., and Co., London	silver
RULES, LEVELS, AND TAPES.	
Rabone, J., and Sons, Birmingham	silver

SPADES, SHOVELS, AND FORKS.	
Skelton, C. T., and Co., Sheffield	silver
STEAM VACUUM GAUGES.	
Schaffer and Budenberg, Manchester	silver
PIPE-CUTTING MACHINE.	
Schaffer and Budenberg, Manchester	silver
ENGINEERING & GASFITTING TOOLS.	
Shirlaw, A., and Co., Birmingham	silver
PERFORATED SAWS.	
Taylor Bros., Sheffield	silver
SMALL TOOLS FOR WORKING METAL.	
Timmins, R., and Sons, Birmingham	silver
Wynn, W. and C., and Co., Birmingham	silver
HAND-MADE HORSE-SHOES.	
Udal, Sons and Symonds, Birmingham	silver
BELLS.	
Vickers, Sons and Co. Limited, Sheffield	silver
SAFETY PINS.	
Cooke Bros., Birmingham	bronze
GUN-METAL STEAM FITTINGS.	
Stone, J., and Co., London	bronze
MINERALS.	
Earl Granville, K.G., and the Shelton Bar Iron Company, Stoke on-Trent	bronze

SECOND ORDER OF MERIT.

STEEL.	
Askham Bros. and Wilson, Sheffield	certificate
Johnson, Christopher, and Co., Sheffield	certificate
ANVILS AND VICES.	
Brooks, John, Lye, near Stour-bridge	certificate
EMERY GRINDERS.	
Bateman, A. H., and Co., London	certificate
SCREW BOLTS AND NAILS.	
Cordes, J. J., and Co., Newport	certificate
Parkes, J. and J., Smethwick	certificate
SAWS AND FILES.	
Crownshaw, Chapman and Co., Sheffield	certificate
FIRE AND BURGLAR PROOF SAFES.	
Chubb and Son, London	certificate
Sicker Safe and Strong-Room Co. Limited, Birmingham	certificate

FOSSILS.	
Damon, Robert, Weymouth	certificate
TWIST DRILL CHUCKS AND CUTTERS.	
Greenwood and Batley, Leeds	certificate
SIGNAL AND CATTLE BELLS.	
Barwell, J., Birmingham	certificate
WIRES FOR FENCING.	
Imperial Wire Co., Birmingham	certificate
EDGE AND JOINERS' TOOLS.	
Johnson, Christopher, and Co., Sheffield	certificate
ENGINE TOOLS AND STEEL TAPS.	
Smith, T., and Sons, Birmingham	certificate
SEWING NEEDLES.	
Woodfield, W., and Sons, Redditch	certificate
SPADES, SHOVELS, FORKS, AND AXES.	
Yates, John, and Co., Birmingham	certificate

THIRD ORDER OF MERIT.

SCREW BOLTS AND NAILS.	
Francis, Th., and Co., Birmingham	certificate
Keay, E. C., West Bromwich	certificate

ROCK-BORING MACHINE.	
Schram, R., Chesterfield	certificate
WIRES FOR FENCING.	
Whitecross Wire Co., Warrington	certificate

FOURTH ORDER OF MERIT.

FIRE AND BURGLAR PROOF SAFES.

Phillips and Son, Birmingham

certificate

HONOURABLE MENTION.

MODELS OF DIAMONDS.

Damon, R., Weymouth

certificate

SHARPENING-MACHINES.

Hornsby, R., and Sons Limited,
Grantham

certificate

Sub-Jury.—RAILWAY APPLIANCES.

FIRST ORDER OF MERIT.

RAILWAY AXLES.

Brown, J., and Co. Limited, Sheffield

gold

STEEL BOLT WITH STEEL DIE-LOCK
NUT, SELF-ACTING CENTRE BUFFER,
AUTOMATIC COUPLER, TIGHTENER,
UNCOUPLER, SIDE BUFFER WITH
SOLID COLLAR AND BUSH, SPRING-
PROTECTING CRADLE, SHEATH
JOINT, RAILS, RAILWAY STEEL
SLEEPERS, SPRINGS, MODELS OF
RAILWAY APPLIANCES, AND OTHER
RAILWAY MATERIALS.Ibbotson Bros. and Co. Limited,
Sheffield

gold

INTERLOCKING APPARATUS,
LEVERS FOR WORKING POINTS.

12

Saxby and Farmer, London

gold

STEEL RAILS AND PLATES.

West Cumberland Iron and Steel Co.
Limited, Workington

gold

LIGHT PORTABLE RAILWAY FOR
MINES.

Bolling and Lowe, London

silver

TYRES AND AXLES, SHAFTING,
PATENT COUPLING.

Kirkstall Forge Co., Leeds

silver

RAILWAY WHEELS AND TYRES.

Patent Shaft and Axle-tree Co. Limited,
Wednesbury

silver

WEIGHBRIDGE MACHINE FOR RAIL-
WAYS.

Avery, W. and T., Birmingham

silver

Pooley, Henry, and Sons, Liverpool

silver

CAST-STEEL TYRES AND AXLES.

Vickers, Sons and Co. Limited, Sheffield

silver

MODEL OF RAILWAY-CARRIAGE
WINDOW.

Gover, H. C., London

bronze

SECOND ORDER OF MERIT.

RAILWAY SPRINGS.

Cammell, C., and Co. Limited,
Sheffield

certificate

MODEL OF AN INTERLOCKING
APPARATUS.

RAILWAY WHEELS AND AXLE BOXES.

Hadfield Steel Foundry Co.,
Sheffield

certificate

M'Kenzie and Holland, Worcester

certificate

THIRD ORDER OF MERIT.

RAILWAY SIGNAL FITTINGS.

Russell, J., and Sons, Wednesbury

certificate

Jury Section XXIX.—TELEGRAPHIC APPARATUS, &c.

FIRST ORDER OF MERIT.

TELEGRAPH INSTRUMENTS.

Theiler, M., and Sons, London

gold

SUBMARINE CABLE.

Telegraphic Construction and Mainte-
nance Co. Limited, London

gold

SECOND ORDER OF MERIT.

ELECTRIC BELLS, INDICATORS, AND
PUSHES.

Sax, J., London

certificate

PNEUMATIC BELLS, INDICATORS, AND
PUSHES.

Zimdar, C. E., London

certificate

THIRD ORDER OF MERIT.

TELEGRAPH WIRE.

Whitecross Wire Co., Warrington

certificate

FOURTH ORDER OF MERIT.

TELEGRAPH WIRE.

Smith, F., and Co., Halifax

certificate

FIFTH ORDER OF MERIT.

TELEGRAPH POLES.

Russell and Sons Limited, London

certificate

TEMPERATURE AND PRESSURE
INDICATOR.

Apps, —, London

certificate

Jury Section XXX.—NAVIGATION.

FIRST ORDER OF MERIT.

FULL MODELS OF VESSELS.

Denny, W., and Brothers, per U.S.S.
Co., Dumbarton

gold

Inman S.S. Co. Limited, Liverpool

gold

Ismay, Imrie and Co., Liverpool

gold

Orient S. N. Company, London

gold

PLANS, MODELS OF DOCKS.

East and West India Dock Co.,
London

gold

London and St. Katherine Docks Co.,
London

gold

HEMP AND MANILLA ROPE.

Belfast Ropework Co. Limited, Belfast

silver

SMALL LINES, TWINES, SASH-CORDS.

Great Ancoats Flax and Hemp Spin-
ning Co. Limited, Manchester

silver

SPUN OAKUM.

Anglo-American Rope and Oakum Co.,
Liverpool

silver

Liverpool Spun Oakum Co., Liverpool

silver

CANVAS.

Webster, F., and Sons, Arbroath

silver

SAILING AND OTHER BOATS.

Berthon Boat Co. Limited, London

silver

LIFE-SAVING APPARATUS.

Steedman and M'Allister, Glasgow

silver

White, R. M., Birkenhead

silver

MODEL OF HOPPER DREDGE.

Simons, W., and Co., Renfrew

silver

SHIPS' SIDE SCUTTLES, STEERING-
GEAR.

Stone, J., and Co., Deptford

silver

SHIPS' BLOCKS AND SHEAVES.

Tweedy, G., Chipping, near Preston

bronze

IMPROVED PROPELLER.

Vansittart, Mrs. H., London

bronze

SECOND ORDER OF MERIT.

HALF MODELS OF VESSELS.

Anderson, Anderson and Co.,
London

certificate

Carson and M'Ilwraith, Liverpool
and London

certificate

Oswald, Mordaunt and Co., South-
ampton

certificate

DIVING APPARATUS.

Siebe, Gorman and Co., London

certificate

SEAMING TWINE.

Ullathorne and Co., London

certificate

SMALL LINES, TWINES, AND CORDS.

Hounsell, W., and Co., Bridport

certificate

Jury Section XXXI. and XXXII.—CEREALS, CONDIMENTS, AND STIMULANTS.

FIRST ORDER OF MERIT.

ORDINARY CONFECTIONERY, CAFE AU LAIT.		ROCK COCOA.	
Keiller, J., and Son, London and Dundee	silver	Fry, J. S., and Sons, London	silver
Terry and Sons, York	silver	MARMALADE.	
Smith, T. and H., and Co., London and Edinburgh	silver	Keiller, J., & Son, London and Dundee	silver
MEDICATED LOZENGES.		ESSENCE OF COFFEE.	
Terry and Sons, York	silver	Dunn and Hewett, London	bronze
CANDIED PEEL.		Elder, A., Edinburgh	bronze
Keiller, J., and Son, London and Dundee	silver	SALT.	
Terry and Sons, York	silver	Corbett, J., M.P., Worcester	bronze
York Confectionery Co., York	silver	Higgins, T., Liverpool	bronze
JUJUBES.		WHITE STARCH.	
Terry and Sons, York	silver	Dutrulle, Solomon and Co., London	bronze
BUTTER, IN TINS.		Ricketts Bros. Limited, Hull	bronze
Clanchy, T. J., Cork	silver	BLUE STARCH.	
FRENCH CHOCOLATE.		Dutrulle, Solomon and Co., London	bronze
Dunn and Hewett, London	silver	Ricketts Bros. Limited, Hull	bronze
Fry, J. S., and Sons, London	silver	FOOD FOR CATTLE.	
CHOCOLATE CONFECTIONERY.		Thorley, T., London	bronze
Dunn and Hewett, London	silver	CALF'S-FOOT JELLY.	
Fry, J. S., and Sons, London	silver	Terry and Sons, London	bronze
Menier and Co., London	silver	GENUINE MUSTARD FLOUR.	
COCOA.		Barringer and Brown, Nottingham	bronze
Dunn and Hewett, London	silver	DOUBLE SUPERFINE MUSTARD.	
Fry, J. S., and Sons, London	silver	Barringer and Brown, Nottingham	bronze
SOLUBLE CHOCOLATE.		WEDDING-CAKE ORNAMENTS.	
Fry, J. S., and Sons, London	silver	Sparagnapane and Co., London	bronze

SECOND ORDER OF MERIT.

PICKLES AND SAUCES.		CONFECTIONERY.	
Stephens, J., Gloucester	certificate	Callard and Bowser, London	certificate
VINEGAR.		York Confectionery Co., York	certificate
Stephens, J., Gloucester	certificate	JUJUBES.	
		York Confectionery Co., York	certificate

THIRD ORDER OF MERIT.

PICKLES AND SAUCES.	
Maw, T., Leeds	certificate

Jury Section XXXIII.—MEAT AND FISH.

FIRST ORDER OF MERIT.

FISH, TINNED.	
Marshall and Co., London	silver

THIRD ORDER OF MERIT.

DRIED LING FISH.

Hay and Co., London

certificate

FOURTH ORDER OF MERIT.

SOUPS, IN POWDER.

Consolidated Soup and Food Co.,
London

certificate

CONSOLIDATED SOUP.

Kopf and Co., London

certificate

Jury Section XXXIVa.—SPIRITS.

FIRST ORDER OF MERIT.

BULK WHISKY (OLD CASTLE BLEND).

Ford, W., and Sons, Leith

silver

CASE WHISKY (STANDARD OLD
HIGHLAND).

Morrison, R., and Co., Glasgow

silver

OLD TOM GIN.

Vaughan-Jones, E. and Co., London

silver

BULK WHISKY.

Dunville and Co., Belfast

silver

Walker, J., and Sons, Kilmarnock

silver

WHISKY, BULK (INCOMPARABLE
BULL).

Turnbull and Co., London

silver

WHISKY, CASE (INCOMPARABLE BULL).

Turnbull and Co., London

silver

SECOND ORDER OF MERIT.

BULK WHISKY.

Mitchell and Co., Belfast

certificate

Greenless Bros., London

certificate

BULK WHISKY (FINEST SCOTCH
MALT).

Burke, E. and J., Liverpool

certificate

CASE WHISKY.

Morrison, R., and Co., Glasgow

certificate

Walker, J., and Sons, Kilmarnock

certificate

WHISKY.

Innes and Grieve, Edinburgh

certificate

THIRD ORDER OF MERIT.

CASE WHISKY (FINE OLD IRISH).

Burke, E. and J., Liverpool

certificate

BULK WHISKY.

Burke, E. and J., Liverpool

certificate

Greenless Bros., London

certificate

Morrison, R., and Co., Glasgow

certificate

Slater, Rogers and Co., Glasgow

certificate

CASE WHISKY (ARGYLE FINEST
MALT).

Burke, E. and J., Liverpool

certificate

CASE WHISKY (OLD IRISH XXX).

Burke, E. and J., Liverpool

certificate

CASE WHISKY (FINE OLD IRISH).

Kirker, Greer and Co., Belfast

certificate

CASE WHISKY (FINEST OLD SCOTCH
BLEND).

Slater, Rogers and Co., Glasgow

certificate

WHISKY (OIL ORAN).

Innes and Grieve, Edinburgh

certificate

WHISKY (UAMVAR).

Innes and Grieve, Edinburgh

certificate

CASE RUM (PURE OLD JAMAICA).

Vaughan-Jones, E., and Co.,
London

certificate

CASE WHISKY (IMPERIAL SCOTCH).

Bowman, Duncan and Co., Liver-
pool

certificate

CASE WHISKY (OLD IRISH).

Mitchell and Co., Belfast

certificate

CASE WHISKY (STANDARD HIGHLAND
MALT).

Innes and Grieve, Edinburgh

certificate

CASE WHISKY (OLD IRISH), QUARTS.

Mitchell and Co., Belfast

certificate

CASE GIN (STANDARD OLD TOM).

Vaughan-Jones, E., and Co.,
London

certificate

CASE WHISKY.

Mitchell and Co., Belfast

certificate

FOURTH ORDER OF MERIT.

CASE WHISKY (LORNE HIGHLAND).
Greenless Bros., London certificate

CASE WHISKY (OLD HIGHLAND
STANDARD).
Morrison and Co., Glasgow certificate
Walker, J., and Sons, Kilmarnock certificate

CASE WHISKY (GLENCOE XXX).
Davis and Littlewood, London certificate

CASE WHISKY (FINEST OLD SCOTCH
BLEND XXX).
Slater, Rogers and Co., Glasgow certificate

CASE WHISKY (GLENCOE).
Davis and Littlewood, London certificate

CASE WHISKY (IMPERIAL SCOTCH
XXX).
Bowman, Duncan and Co., Liver-
pool certificate

CASE WHISKY (MIDLOTHIAN).
Innes and Grieve, Edinburgh certificate

CASE WHISKY (OLD IRISH).
Mitchell and Co., Belfast certificate
Mitchell and Co., Belfast certificate
Mitchell and Co., Belfast certificate

BULK WHISKY.
Kirker, Greer and Co., Belfast certificate

CASE WHISKY (DUNEDIN).
Innes and Grieve, Edinburgh certificate
Innes and Grieve, Edinburgh certificate

FIFTH ORDER OF MERIT.

CASE WHISKY (GLENCOE OLD
SCOTCH).
Davis and Littlewood, London certificate

CASE WHISKY (FINEST SCOTCH
MALT).
Burke, E. and J., Liverpool certificate

CASE WHISKY (STANDARD SCOTCH).
Vaughan-Jones, E., and Co.,
London certificate

CASE WHISKY (HIGHLAND BLEND).
Kemp and Co., Glasgow certificate

CASE WHISKY (OLD WEST HIGHLAND
MALT).
Vaughan-Jones, E., and Co.,
London certificate

CASE WHISKY (IMPERIAL SCOTCH XX).
Bowman, Duncan and Co., Liver-
pool certificate

CASE WHISKY (OLD IRISH).
Mitchell and Co., Belfast certificate

Jury Section XXXIVc.—CORDIALS AND LIQUEURS.

FIRST ORDER OF MERIT.

GINGER WINE.
Vaughan-Jones, E., and Co., London bronze

CHERRY BRANDY.
Vaughan-Jones, E., and Co., London bronze

GINGER BRANDY.
Vaughan-Jones, E., and Co., London bronze

MORELLA CHERRY BRANDY.
Grant, Thomas, Maidstone bronze

BITTERS.
Siegert, Dr. J. G. B., and Sons,
London bronze
Vaughan-Jones, E., and Co., London bronze

SELTZER WATERS, AERATED WATERS.
Cantrell and Cochrane, Dublin and
Belfast bronze

LITHIA WATERS.
Corry and Co., Belfast bronze
Bewley and Draper, Dublin bronze

SODA WATER.
Bewley and Draper, Dublin bronze
Cantrell and Cochrane, Dublin and
Belfast bronze
Gulliver, S., and Co., Aylesbury bronze

GINGER BEER.
Bewley and Draper, Dublin bronze

LEMONADE.
Gulliver, S., and Co., Aylesbury bronze

GINGER ALE.
Bewley and Draper, Dublin bronze
Corry and Co., Belfast bronze

CARRARA WATER.
Corry, William, and Co., Belfast bronze

FRUIT NECTAR.		CHAMPAGNE CIDER.	
Corry, William, and Co., Belfast	bronze	Porter, Robert, and Co., London	bronze
MISCELLANEOUS CORDIALS.		LIME-JUICE CORDIAL.	
Evans, Sons and Co., Liverpool	bronze	Rose, L., and Co., London	bronze

SECOND ORDER OF MERIT.

POTASS WATER.		LEMONADE.	
Bewley and Draper, Dublin	certificate	Bewley and Draper, Dublin	certificate
Gulliver, S., and Co., Aylesbury	certificate		
SELTZER WATER.		SARSAPARILLA.	
Corry and Co., Belfast	certificate	Evans, Sons and Co., Liverpool	certificate
SODA WATER.		SYRUPS.	
Corry and Co., Belfast	certificate	Cantrell and Cochrane, Dublin and Belfast	certificate

HONOURABLE MENTION.

LIME JUICE.		LIMEADE.	
Evans, Sons and Co., Liverpool	certificate	Gulliver, S., and Co., Aylesbury	certificate

Jury Section XXXV.—BEERS.**FIRST ORDER OF MERIT.**

BOTTLED PORTER, GUINNESS'S STOUT, QUARTS (BOTTLED BY R. B.)		INDIA ALE, QUARTS.	
Read Bros., London and Dublin	bronze	Paine and Co., St. Neots	bronze
BOTTLED PORTER, GUINNESS'S STOUT, QUARTS AND PINTS (BOTTLED BY R. P. and C.)		PALE ALE, QUARTS.	
Porter, Robert, and Co., London	bronze	Aitken, J., and Co., Falkirk	bronze
BOTTLED PORTER, GUINNESS'S STOUT, QUARTS AND PINTS (BOTTLED BY E. J. B.)		McEwan, Wm., and Co., Edinburgh	bronze
Burke, E. and J., Liverpool	bronze	Tennent, J. and R., Glasgow	bronze
BOTTLED PORTER, GUINNESS'S STOUT, QUARTS (BOTTLED BY H. and Co.)		BASS'S PALE ALE, PINTS.	
Hall, J. B., and Co., Liverpool	bronze	Porter, Robert, and Co., London	bronze
BASS'S ALE, QUARTS.		SPARKLING ALE, BROWN, QUARTS.	
Burke, E. and J., Liverpool	bronze	Burke, E. and J., Liverpool	bronze
Porter, Robert, and Co., London	bronze	BASS'S FINEST FOREIGN PALE ALE, QUARTS.	
BASS'S ALE, QUARTS AND PINTS.		Burke, E. and J., Dublin and Liverpool	bronze
Read Bros., London	bronze	ALLSOP'S INDIA PALE ALE, QUARTS.	
		Patterson and Hibbert, London	bronze
		ANGLO-BAVARIAN BEER, QUARTS.	
		Smith, G., London	bronze

SECOND ORDER OF MERIT.

ALLSOP'S INDIA PALE ALE, QUARTS.		INDIA PALE ALE, PINTS.	
Burke, E. and J., Liverpool	certificate	Paine and Co., St. Neots	certificate

Jury Section XXXVI.—HORTICULTURE AND CONSERVATORIES.**FIRST ORDER OF MERIT.**

SEEDS AND MODEL OF ROOTS.		SEEDS.	
Carter, James, and Co., London	gold	Sutton and Sons, Reading	gold

FLOWER SEEDS.

Carter, James, and Co., London silver

HAND LAWN-MOWERS.

Nettlefolds and Sons, London bronze

Ransomes, Sims and Head, Ipswich bronze

HORSE LAWN-MOWERS, FOR PARKS.Hornsby, R., and Sons Limited,
Grantham bronze**LUTON SYRINGE.**

Brown and Green Limited, London bronze

GARDEN TOOLS.

Marples, W., and Sons, Sheffield bronze

Parkes, F., and Co., Birmingham bronze

Skelton, C. T., and Co., Sheffield bronze

**HAND WATER-CART, AND GARDEN
ENGINE.**

Coleman and Morton, Chelmsford bronze

**WILLIAMS' ARCHIMEDEAN LAWN-
MOWERS.**

Rollins and Co., London bronze

SECOND ORDER OF MERIT.**GARDEN ENGINES.**

Stone, J., and Co., London certificate

HAND LAWN-MOWERS.

Follows and Bates, Manchester certificate

THIRD ORDER OF MERIT.**HAND LAWN-MOWER.**

Crowley and Co., Sheffield certificate

Samuelson and Sons, Banbury certificate

**Jury Section XXXVII.—WEAVING, SEWING, AND PRINTING
MACHINERY.****FIRST ORDER OF MERIT.****LEATHER, ELASTIC, AND REPAIRING
MACHINE.**

Bradbury and Co. Limited, Oldham silver

Jones and Co., Manchester silver

WAX-THREAD MACHINE.

Jones and Co., Manchester silver

**HEAVY LEATHERWORK FOR
MACHINE.**

Bradbury and Co. Limited, Oldham silver

Jones and Co., Manchester silver

LEATHER-FLOWERING MACHINE.

Bradbury and Co. Limited, Oldham silver

Jones and Co., Manchester silver

CLOTH-MANUFACTURING MACHINE.

Bradbury and Co. Limited, Oldham silver

Jones and Co., Manchester silver

KILTING MACHINE.

Bradbury and Co. Limited, Oldham silver

"MITRE" PRINTING MACHINE.

Dawson, W., and Sons, Otley silver

"WHARFDALE" PRINTING MACHINE.

Dawson, W., and Sons, Otley silver

BOOKBINDING MACHINERY.

Greig, J., and Sons, Edinburgh silver

AERATED-WATER MACHINES.

Hayward, Tyler and Co., London silver

ROPE-MANUFACTURING MACHINE.

Lawson, S., and Sons, Leeds silver

**SYPHONS, SELTZOGONES, AND SYPHON-
FILLING APPARATUS.**British Syphon Manufacturing Co.,
London bronze**CAPSULING MACHINE.**

Schrieber, F. W., London bronze

COTTON-WINDING MACHINE.

Kerr, Price and Co., Paisley bronze

WIRE CARDS FOR CARDING ENGINE.

Shaw, F., and Co., Huddersfield bronze

CARDS AND CARD CLOTHING.

Thompson, J., and Co., Kendal bronze

MACHINE NEEDLES.

Milward, H., and Sons, Redditch bronze

Thomas, S., and Sons, Redditch bronze

WATCHMAKING TOOLS.

Grimshaw and Baxter, London bronze

BOTTLE STOPPERS.Barrett and Ellers, London and
Jersey bronze**HACKLES AND GILLS FOR PRE-
PARING FLAX.**

Hallam Brothers bronze

SECOND ORDER OF MERIT.

PRINTING PRESS.
Seggie, Alexander, Edinburgh certificate

“EMPIRE” PRINTING PRESS.
Powell and Sons, London certificate

RULING MACHINE.
Hampson and Bettridge, London certificate

CORKING MACHINE.
Hayward, Tyler and Co., London certificate

BOTTLE STOPPERS.
Rylands, Dan., Barnsley certificate

FAMILY SEWING MACHINE, TREADLE
OPERATED.
Jones and Co., Manchester certificate

FAMILY SEWING MACHINE, HAND
OPERATED.
Jones and Co., Manchester certificate

WAX-THREAD MACHINE.
Robinson and Co., Kettering certificate

EYELETING AND BEADING MACHINE.
Robinson and Co., Kettering certificate

“SIMPLISSIMUS” PRINTING PRESS.
Birmingham Machinist Co., Bir-
mingham certificate

THIRD ORDER OF MERIT.

FAMILY SEWING MACHINES, TREADLE
OPERATED.
Bradbury and Co. Limited, Oldham certificate

FAMILY SEWING MACHINES, HAND
OPERATED.
Bradbury and Co., Oldham certificate

CLOTH-MANUFACTURING SEWING
MACHINE.
Robinson and Co., Kettering certificate

CYLINDER PRINTING MACHINE.
Powell and Sons, London certificate

ENDORISING, PRESSING, AND NUMBER-
ING MACHINE.
Bailey Bros., London certificate

FIFTH ORDER OF MERIT.

LITHOGRAPHIC PRESS.
Seggie, Alexander, Edinburgh certificate

ADVERTISING MACHINE.
Reinhold and Co., London certificate

BRITISH INDIA.

Jury Section I.—FINE ARTS.

FIRST ORDER OF MERIT.

PAINTING ON IVORY.	
Mahomed Hussein, Delhi	gold
PHOTO-ZINCOGRAPHIC REPRODUCTION OF MAPS.	
Walker, Major-General J. T., R.E., F.R.S., Surveyor-General, Calcutta	(2)
ENGRAVED & LITHOGRAPHED MAPS.	
Walker, Major-General J. T., R.E., F.R.S., Surveyor-General, Calcutta	(3)

THIRD ORDER OF MERIT.

MISCELLANEOUS PAINTINGS.

Rajah Sourendro Mohun Tagore, Calcutta certificate

FOURTH ORDER OF MERIT.

PAINTING ON IVORY.

Cursetjee and Sons, Ahmednugger certificate

Jury Section II.—SCULPTURE, BRONZES, &c.

THIRD ORDER OF MERIT.

KOFTHGARI, OR DAMASCENED WORK.		INLAID TABLE.	
Kutub Din and Shaif Din, Sialkot, Punjaub	certificate	Atta Bassi Golam Hosein, Hus- hiarpur, Punjaub	certificate

FOURTH ORDER OF MERIT.

REPOUSSE.

Lala Nathu Ram, Agra, N. W. Provinces certificate

FIFTH ORDER OF MERIT.

REPOUSSE.

Lala Seva Ram, Agra, N. W. Provinces certificate

Jury Section III.—EDUCATION.

FIRST ORDER OF MERIT.

MAPS.

Walker, Major-General, J. T., R.E., F.R.S., Surveyor-
General, Calcutta (1)

Jury Section V.—PHOTOGRAPHIC PROOFS AND APPARATUS.**FIRST ORDER OF MERIT.****LANDSCAPE AND BUILDING PHOTOGRAPHY.**

Bourne and Shepherd, Calcutta bronze | Phillips, R., Darjeeling bronze

Jury Section VI.—MUSICAL INSTRUMENTS.**HONOURABLE MENTION.****INDIAN MUSICAL INSTRUMENTS.**

Rajah Sourendro Mohun Tagore, Calcutta certificate

Jury Section IX.—FURNITURE AND ACCESSORIES.**FIRST ORDER OF MERIT.****CARVED SANDALWOOD AND ROSE-
WOOD CABINET.**

Deschamps and Co., Madras silver

WOOLLEN CARPETS.

Agra Gaol, N. W. Provinces (2)

Lahore Gaol, Lahore (2)

MATS AND MATTING.

Bengal Government, Bengal (2)

COTTON CARPETS.

Aligarh Gaol, N. W. Provinces (2)

Agra Gaol, N. W. Provinces (2)

Bareilly Gaol, N. W. Provinces (2)

Bhaugulpore Gaol, Bengal (2)

Madras Gaol, Madras (2)

Tanna Gaol, Bombay (2)

SHOW CASE.

Bombay Committee, Bombay (2)

SHOW CABINET OF CARVED DEODAR.

Government of Punjab School of
Design, Lahore (3)

SECOND ORDER OF MERIT.**WOOLLEN CARPETS.**

Allahabad Gaol, N. W. Provinces certificate

Bhaugulpore Gaol, Bengal certificate

**WOOLLEN CARPETS AND WINDOW-
HANGINGS.**

Superintendent Tanna Gaol, Bom-
bay certificate

FOUR PERSIAN CARPETS.

Jaffer, Sulliman and Co., Bombay certificate

MATS AND MATTING.

Superintendent Hazaribagh Gaol,
Bengal certificate

Superintendent Midnapore Gaol,
Bengal certificate

RUGS.

Lala Beni Persad, N. W. Provinces certificate

CHAIRS, COUCHES, TABLES.

Jaffer, Sulliman and Co., Bombay certificate

THIRD ORDER OF MERIT.**WOOLLEN CARPETS.**

Mirzapur Gaol, N. W. Provinces certificate

PAIR OF CARPETS.

Davi Sahai, Amritsur, Punjab certificate

CARPETS.

Din Mohamed, Punjab certificate

FLOOR MATS AND MATTING.

Agra Gaol, N. W. Provinces certificate

Bareilly Gaol, N. W. Provinces certificate

Hurry Row, Madras certificate

FOURTH ORDER OF MERIT.**WOOLLEN CARPETS.**

Jhansi Gaol, N. W. Provinces certificate

CARPETS.

Salig Ram, Punjab certificate

**CARVED AND BLACKWOOD FURNI-
TURE.**

Watson and Co., Bombay certificate

(2) Certificate equal to silver.

(3) Certificate equal to bronze.

FIFTH ORDER OF MERIT.

BAREILLY CHAIRS.		FLOOR MATS AND MATTING.	
Goslett and Co., Meerut	certificate	Hyderabad Gaol, Madras	certificate
		Madras Government, Madras	certificate

HONOURABLE MENTION.

CARPETS.			
Basti Gaol, N. W. Provinces	certificate	Yerroda Central Gaol, Bombay	certificate

Jury Section X.—GLASS AND POTTERY.

HONOURABLE MENTION—HIGHLY COMMENDED.

POTTERY.	
Bengal Sub-Committee, Bengal	certificate

Jury Section XI.—JEWELLERY AND SILVERSMITHS' WORK.

FIRST ORDER OF MERIT.

GOLDSMITHS' AND SILVERSMITHS' WORK.			
Jaffer, Sulliman and Co., Bombay	silver	Nina Ahmed Apkar, Trichinopoly	silver
Nanda Jethi Sonar, Bengal	silver	Saunders, J., and Co., Benares, N. W. Provinces	silver

SECOND ORDER OF MERIT.

GOLDSMITHS' AND SILVERSMITHS' WORK.			
Brindaban Sonar, Bengal	certificate	Kapil Sonar, Bengal	certificate
Kalka Dás, Lucknow	certificate	Lala Soobhag Chand, Punjaub	certificate
		Sanwal Dás, Lucknow	certificate

HONOURABLE MENTION.

MOOLTAN ENAMELS.		GOLDSMITHS' AND SILVERSMITHS' WORK.	
Vasna Mal, Punjaub	special certificate	Giridhar Lall, Calcutta	special certificate
		The Sub-Committee, Bengal	special certificate
		Watson and Co., Bombay	special certificate

Jury Section XII.—CIVIL ENGINEERING, PUBLIC WORKS.

HONOURABLE MENTION.

BUILDING STONES.	
The Greaves Cotton Co., Broach, Bombay	certificate

Jury Section XIII. & XXII.—CHEMICAL AND PHARMACEUTICAL PRODUCTS.

FIRST ORDER OF MERIT.

CINCHONA BARKS.		CINCHONA BARK AND JALAP.	
Director of the Botanic Gardens, Calcutta	(3)	Government of Madras, Madras	(3)

(3) Certificate equal to bronze.

INDIGO.		CASTOR OIL.	
Locke, H. H., Bengal	bronze	Khettermohun, Bysack and Sons, Bengal	bronze

SECOND ORDER OF MERIT.

INDIAN DRUGS.		MEDICINAL OILS.	
Rae Kanny Lall Dey Bahadoor, Bengal	certificate	Rae Kanny Lall Dey Bahadoor, Bengal	certificate
		INDIGO.	
		Croysdale and Co., Madras	certificate

HONOURABLE MENTION.

MYRABOLANS.		DYEING SUBSTANCES.	
Bombay Exhibition Committee, Bombay	certificate	Government of Madras, Madras	certificate
N. W. Provinces Government, N. W. Provinces	certificate	DYEING AND OTHER VEGETABLE SUBSTANCES.	
		Department of Agriculture, N. W. Provinces	certificate

Jury Section XIV.—LEATHERWORK AND FANCY ARTICLES.

FIRST ORDER OF MERIT.

IVORY CARVINGS.		METALWARE.	
Bengal Sub-Committee, Moorshedabad	(2)	Kutub Din, Lahore	bronze
CAMP FURNITURE.			
Elgin Mills Co., Cawnpore	silver		
Muir Mills Co., Cawnpore	silver	WOODWORK, CARVED AND INLAID.	
BRASSWARE.		Chinna, G. Veeranna, Vizagapatam, Madras	bronze
Saunders, James, and Co., Benares	bronze	Pestonjee Merwanjee, Bombay	bronze

SECOND ORDER OF MERIT.

IVORY CARVINGS.		Government of the N. W. Pro- vinces, Mainpuri	
Davi Sahi and Chumba Mal, Amritsur	certificate	Jamsetjee Shapoorjee, Bombay	certificate
METALWARE.		PAPIER-MACHE WORK.	
Bengal Sub-Committee, Bengal	certificate	Punjaub Government, Cashmere	certificate
Mir Imdad Ali, C.S.I., Moradabad	certificate	FANCY STRAW-WORK.	
Shaif Din, Sialkot	certificate	Friend-in-Need Society, Madras	certificate
STONE-WORK, INLAID.		Government of Madras, Madras	certificate
Lala Nathu Ram, Agra	certificate	FIGURE MODELLING.	
WOOD-WORK, CARVED AND INLAID.		Jadunáth Pál, Kishnaghur, Bengal	certificate
Ata Ghulam Hosei, Hushiarpur	certificate		

THIRD ORDER OF MERIT.

METALWARE.		STONE-WORK, INLAID.	
Government of the N. W. Provinces, Lucknow	certificate	Lala Seva Ram, Agra	certificate
Kedarnath Khettri, Calcutta	certificate	FANCY STRAW-WORK.	
WOOD-WORK, CARVED AND INLAID.		Bombay Government, Bombay	certificate
Government of the N. W. Provinces, Nagina	certificate	FIGURE MODELLING.	
Jaffer, Sulliman and Co., Bombay	certificate	Gopal Chandra Pál, Calcutta	certificate
Kanhaya Lál, Hushiarpur	certificate	Government of the N. W. Pro- vinces, Lucknow	certificate

FOURTH ORDER OF MERIT.

INLAID STONE-WORK.		FIGURE MODELLING.	
Government of the N. W. Provinces, Banda	certificate	Bombay Exhibition Commissioners, Poona	certificate
Government of the N. W. Provinces, Nagpore	certificate	Matilal Pal, Bengal	certificate
Leushner, A. M., Agra	certificate	MODELS OF FRUIT AND VEGETABLES.	
LACQUERED-WARE.		Government of the N. W. Provinces, Lucknow	certificate
Punjaub Government, Lahore	certificate	TOYS.	
FANCY STRAW-WORK.		Bombay Government, Bombay	certificate
Bengal Government, Monghyr	certificate		

Jury Section XV.—COTTON, FLAX, HEMP, CLOTHING, &c.

FIRST ORDER OF MERIT.

NATIVE COSTUMES.

Government of Madras, Madras (3)

SECOND ORDER OF MERIT.

NATIVE COSTUMES.

Browning, Colin, Esq., M.A., Director-General of Education, Central Provinces, Nagpur certificate

THIRD ORDER OF MERIT.

COTTON YARNS.

New Great Eastern Spinning and Weaving Co., Bombay certificate

FOURTH ORDER OF MERIT.

UNBLEACHED CALICO.

Empress Mills, Central Province certificate
Government of India, Berar certificate
Morarjee Goculdass, Bombay certificate
New Great Eastern Co., Bombay certificate

COTTON YARNS.

New Colaba Spinning and Weaving Co., Bombay certificate

COTTON CURTAINS.

Superintendent of Midnapore Gaol, Midnapore certificate

FIFTH ORDER OF MERIT.

UNBLEACHED CALICO.

Elgin Mills, N. W. Provinces certificate

Jury Section XVI.—WORSTED AND WOOLLEN GOODS.

FIRST ORDER OF MERIT.

WOOLLEN SHAWLS.

Badri Das, Bengal silver | Kumad Chandra Das, Bengal silver

SECOND ORDER OF MERIT.

WORSTED AND WOOLLEN FABRICS.

Badri Das, Calcutta certificate

WOOLLEN SHAWLS.

Hazari Mal and Ramchand, Bengal certificate

(3) Certificate equal to bronze.

THIRD ORDER OF MERIT.

WORSTED AND WOOLLEN FABRICS.

Hazari Mal and Ramchand, Calcutta certificate | Salig Ram, Amritsur, Punjaub certificate

FOURTH ORDER OF MERIT.

WOOLLEN SHAWLS.

Davi Sahi and Chumba Mal, Amritsur, Punjaub certificate

Jury Section XVII.—SILK AND LACE.

FIRST ORDER OF MERIT.

LACE, NET, EMBROIDERY, AND TRIMMINGS.	EMBROIDERY ON DRESSING-GOWNS AND SHAWLS.
Bahar Sha and Sadar-ud-din Sha, Bengal bronze	Hazari Mal and Ramchand, Bengal bronze
Gopal Chandra Pâl, Bengal bronze	
Gopi Nath, Lucknow bronze	
Kipling, J. L., Curator of Lahore Museum, Government of the Punjaub, Delhi (3)	GOLD EMBROIDERY.
	Manick Chand, Delhi bronze
	Moti Ram, Delhi bronze

SECOND ORDER OF MERIT.

EMBROIDERY AND TRIMMINGS.	LACE, EMBROIDERY.
Badri Das, Calcutta certificate	Bidie, Surgeon-Major G., M.B., Madras Government for Manufactures, Madras certificate
LACE, NET, EMBROIDERY, AND TRIMMINGS.	CHIKAN EMBROIDERY.
Kumad Chandra Das, Bengal certificate	Locke, H. H., Esq., for Bengal Sub-Committee, Bengal certificate

THIRD ORDER OF MERIT.

LACE, NET, AND EMBROIDERY.	EMBROIDERY ON DRESSING-GOWNS AND SHAWLS.
Gopal Chandra Pâl, Calcutta certificate	Sheik Golab, Calcutta certificate
Kishori Lal, Lucknow certificate	
Patton, William, Hyderabad certificate	GOLD EMBROIDERY.
	Wali Mahomed, Lahore certificate

FIFTH ORDER OF MERIT.

SILK EMBROIDERY.

Kipling, J. L., Curator of Lahore Museum, Government of the Punjaub, Delhi certificate

Jury Section XIX.—PRODUCTS OF FORESTS.

FIRST ORDER OF MERIT.

SPECIMENS OF INDIAN WOODS.

Government of India, per J. S. Gamble, Esq., Officiating Conservator of Forests, Bengal, Calcutta (2)

SECOND ORDER OF MERIT.

SPECIMENS OF PUNJAUB WOODS.

Baden-Powell, B. H., Punjaub certificate

(2) Certificate equal to silver.

(3) Certificate equal to bronze.

FOURTH ORDER OF MERIT.

SAMPLES OF WOODS.

The Greaves Cotton Co., Broach, Bombay certificate

Jury Section XX.—AGRICULTURAL PRODUCTS, NOT USED FOR FOOD.

FIRST ORDER OF MERIT.

FLAX, HEMP.		Bidie, Surgeon-Major G., M.B., for the	
Bidie, Surgeon-Major G., M.B., for the		Madras Government, Madras	(2)
Madras Government, Madras	(2)	Government of the N. W. Provinces, Luck-	
		now	(2)
OILS.		COTTON.	
Bagram and Co., Malparah Steam Oil		Breul and Co., Bengal	silver
Works, Calcutta	silver		

SECOND ORDER OF MERIT.

LEAF TOBACCO.		FLAX, HEMP.	
Begg, Dunlop and Co., Calcutta	certificate	Ahmatty and Co., Calcutta	certificate
Bidie, Surgeon-Major G., M.B., for		Bengal Sub-Committee, Bengal	certificate
the Madras Government, Madras	certificate	Browning, Colin, Esq., M.A., Nag-	
		pur	certificate
CIGARS.		Superintendent of Chittagong Gaol,	
Baxter, C. H., Madras	certificate	Bengal	certificate
Bidie, Surgeon-Major G., M.B., for	certificate	Superintendent of Hazaribagh Gaol,	
the Madras Government, Madras		Bengal	certificate
Central Committee of India, Cal-	certificate		
cutta			
Wilson, Mackenzie and Co., Cal-	certificate		
cutta			

THIRD ORDER OF MERIT.

LEAF TOBACCO.		CIGARS.	
Begg, Sutherland and Co., Calcutta	certificate	Begg, Sutherland and Co., Tirhoot,	
Roberts and Co., Coconda, Madras	certificate	Poosah	certificate
		Eaton, C. W., and Co., Madras	certificate
		Neelamagum, Pillay and Co., Madras	certificate
		Roberts and Co., Madras	certificate

FOURTH ORDER OF MERIT.

COTTON.	
Bombay Exhibition Committee, Bombay	certificate

FIFTH ORDER OF MERIT.

COTTON.	
The Greaves Cotton Co., Broach, Bombay	certificate

Jury Section XXVIII.—RAILWAYS, MINING, AND METALLURGY.

THIRD ORDER OF MERIT.

MINERALS.	
Browning, Colin, Esq., M.A., Curator Nagpur	
Museum, Nagpur	certificate

(2) Certificate equal to silver.

Jury Section XXX.—NAVIGATION.**THIRD ORDER OF MERIT.****COIR ROPE.**

Ahmutty and Co., Bengal certificate

GUNNY BAGS, SACKS, AND WOOLPACKS.

Superintendent of Alipore Gaol, Bengal certificate
 Barnagore Jute Co., Bengal certificate
 Clive Jute Mills, Bengal certificate

FOURTH ORDER OF MERIT.**GUNNY BAGS, SACKS, AND WOOLPACKS.**

Ganges Manufacturing Co., Bengal certificate
 Howrah Mills Co., Bengal certificate
 Kamarhatty Co., Bengal certificate

Jury Section XXXI. and XXXII.—CEREALS, CONDIMENTS, AND STIMULANTS.**FIRST ORDER OF MERIT.****TEAS, ORANGE & FLOWERY PEKOES.**

Amgoorie Tea Estate, Assam silver
 Balasun Tea Co. Limited, Darjeeling silver
 Brooklands Estate, Neilgherry Hills silver
 Glendale Estate, Neilgherry Hills silver
 Land Mortgage Bank, Assam silver
 Land Mortgage Bank, Assam silver
 Luckwah Tea Estate, Assam silver
 Luckwah Tea Estate, Assam silver
 Munjah Tea Estate, Darjeeling silver
 Singbulli and Murmah Tea Co. Limited, Darjeeling silver
 Singbulli and Murmah Tea Co. Limited, Darjeeling silver

ORANGE AND FLOWERY PEKOES (GREEN TEA).

Amgoorie Tea Estate, Assam silver

TEAS, PEKOES.

Bamgaon Tea Estate, Assam silver
 Land Mortgage Bank, Assam silver
 Land Mortgage Bank, Darjeeling silver
 Lushkerpore Tea Estate, South Sylhet silver

TEAS, PEKOE SOUCHONG.

Geille Tea Co., Darjeeling silver
 Jorehaut Tea Co., Assam silver
 Land Mortgage Bank, Assam silver
 Land Mortgage Bank, Darjeeling silver
 Lullecheria Tea Estate, Sylhet silver
 Panitollah Tea Estate, Assam silver
 Singbulli and Murmah Tea Co., Darjeeling silver
 Singbulli and Murmah Tea Co. (Murmah Division), Darjeeling silver

TEAS, BROKEN PEKOES.

Land Mortgage Bank, Assam silver
 Land Mortgage Bank, Darjeeling silver

Singbulli and Murmah Tea Co. (Singbulli Division), Darjeeling silver
 Singbulli and Murmah Tea Co. (Singbulli Division), Darjeeling silver

TEAS, HYSON AND YOUNG HYSON.

Brooklands Estate, Neilgherry Hills silver

MIXED TEAS.

Bhuttoo Tea Estate, Kumaon silver
 Kousanie Tea Co., Kumaon silver

TEAS.

Land Mortgage Bank, Assam, Cachar, and Darjeeling silver
 Shaw, Finlayson and Co., Panitollah Tea Estate and Luskerpore Estate, Assam and South Sylhet silver
 Singbulli and Murmah Tea Co., Darjeeling silver

JAMS AND JELLIES.

Vencatachellum, P., Madras silver
 Wilson, M'Kenzie and Co., Calcutta silver

COFFEE.

Balmadies Estate, Madras silver
 Cootamundra Estate, Madras silver
 Ellembellary Estate, Madras silver
 Glenvans Estate, Madras silver
 Hillgrove Estate, Madras silver
 Inglewood Estate, Madras silver
 Nedimbally Estate, Madras silver
 Seaforth Estate, Madras silver
 Stanes, W. H., Madras silver
 Tilley Estate, Madras silver

PATNA RICE.

Browning, C., Esq., M.A., Curator Nagpur Museum, Nagpur (2)

CHUTNEYS.

Cursetjee and Sons, Ahmednugger	bronze
Great Eastern Hotel and General Purveying Co., Calcutta	bronze
Nujeeb Khan, Calcutta	bronze
Wilson, M'Kenzie and Co., Calcutta	bronze

CURRIE POWDERS.

Vencatachellum, P., Madras	bronze
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PICKLES.

Great Eastern Hotel and General Purveying Co., Calcutta	bronze
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Vencatachellum, P., Madras	bronze
Wilson, M'Kenzie and Co., Calcutta	bronze

SAUCES.

Nujeeb Khan, Calcutta	bronze
Vencatachellum, P., Madras	bronze

CURRIE PASTE.

Great Eastern Hotel and General Purveying Co., Calcutta	bronze
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PADDY RICE.

Commissioners for India, Calcutta	(3)
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SECOND ORDER OF MERIT.

TEAS, ORANGE & FLOWERY PEKOES.

Amgoorie Tea Estate, Assam	certificate
Brooklands Estate, Neilgherry Hills	certificate
Glendale Estate, Neilgherry Hills	certificate
Koomber Tea Estate, Cachar	certificate
Kamptiegwallie Tea Estate, Assam	certificate
Luckwah Tea Estate, Assam	certificate
Luckwah Tea Estate, Assam	certificate
Mountjoy Tea Estate, Arracan	certificate
Pathecherra Tea Estate, Cachar	certificate
Pathecherra Tea Estate, Cachar	certificate
Singbulli and Murmah Tea Co. (Singbulli Division), Darjeeling	certificate

ORANGE AND FLOWERY PEKOES
(GREEN TEA).

Amgoorie Tea Estate, Assam	certificate
Lines Tea Co., Kumaon	certificate

TEAS, PEKOES.

Bamgaon Tea Estate, Assam	certificate
Bullabarrie Tea Estate, Dooars	certificate
Doolahat Tea Estate, Assam	certificate
Jorehaut Tea Co., Assam	certificate
Jorehaut Tea Co., Assam	certificate
Larsingah Tea Estate, Cachar	certificate
Luckwah Tea Estate, Assam	certificate
Mahmara Tea Estate, Assam	certificate
Mowdie Hill Tea Estate, Hazari- bagh	certificate
Roopacherra Tea Estate, Cachar	certificate
Scottish Assam Co., Assam	certificate
Singbulli and Murmah Tea Co., Darjeeling	certificate

TEAS, PEKOE SOUCHONG.

Balasun Tea Co. Limited, Darjeeling	certificate
Bhuttoo Tea Estate, Kangra Valley	certificate
Bullabarrie Tea Estate, Dooars	certificate
Jorehaut Tea Co., Assam	certificate
Jorehaut Tea Co., Assam	certificate
Koomber Tea Estate, Cachar	certificate
Land Mortgage Bank, Cachar	certificate
Luckwah Tea Estate, Assam	certificate
Lydiacherra Tea Estate, Cachar	certificate
Palumpore Tea Estate, Kangra Valley	certificate

Punkabaree Tea Estate, Darjeeling	certificate
Tarzum Tea Estate, Darjeeling	certificate

PEKOE SOUCHONG (GREEN TEA).

Bamgaon Tea Estate, Assam	certificate
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TEAS, SOUCHONG.

Bhuttoo Tea Estate, Kangra Valley	certificate
Holta Tea Co., Kangra Valley	certificate
Kangra Valley Tea Co., Kangra Valley	certificate
Kousanie Tea Co., Kumaon	certificate
Land Mortgage Bank, Darjeeling	certificate

TEAS, BROKEN PEKOES.

Balasun Tea Co. Limited, Darjeeling	certificate
Holta Tea Co., Kangra Valley	certificate
Kamptiegwallie Tea Estate, Assam	certificate
Lullecherra Tea Estate, Sylhet	certificate
Mahmara Tea Estate, Assam	certificate
Mahmara Tea Estate, Assam	certificate
Panitollah Tea Estate, Assam	certificate
Tarzum Tea Estate, Darjeeling	certificate

BROKEN TEA AND FANNINGS.

Doolahat Tea Estate, Assam	certificate
Land Mortgage Bank, Darjeeling	certificate
Land Mortgage Bank, Assam	certificate

UNCOLOURED GREEN TEA.

Byjnauth Tea Estate, Kangra Valley	certificate
Byjnauth Tea Estate, Kangra Valley	certificate

TEAS, HYSON AND YOUNG HYSON.

Kousanie Tea Co., Kumaon	certificate
Lines Tea Co., Kumaon	certificate
Lines Tea Co., Kumaon	certificate
Nassau Tea Co., Kangra Valley	certificate
Palumpore Tea Estate, Kangra Valley	certificate

TEAS, IMPERIAL AND GUNPOWDER.

Craws Tea Estate, Kumaon	certificate
Lines Tea Co., Kumaon	certificate
Lines Tea Co., Kumaon	certificate

TEAS.

Begg, Dunlop and Co., Assam	certificate
Begg, Dunlop and Co., Cachar	certificate
Begg, Dunlop and Co., Darjeeling	certificate
Begg, Dunlop and Co., Dooars	certificate
Grindlay and Co., Holta Tea Co., and Kangra Valley Co., Kangra Valley	certificate
Grindlay and Co., Pathecherra, Cachar	certificate
Lloyd and Co., Darjeeling	certificate
Mackillican, Jas., and Co., Lulle- cherra, Sylhet	certificate
Williamson, Magor and Co., Mun- jah, Darjeeling, Terai	certificate
Williamson, Magor and Co., Cachar	certificate
Williamson, Magor and Co., Kangra Valley	certificate
Williamson, Magor and Co., Darjeeling	certificate
Williamson, Magor and Co., Assam	certificate

JAMS AND JELLIES.

Newson, W., and Co., Calcutta	certificate
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CHUTNEYS.

Newson, W., and Co., Calcutta	certificate
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CURRIE POWDER.

Framjee Nowtojee, Bombay	certificate
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CURRIE PASTE.

Vencatachellum, P., Madras	certificate
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PICKLES.

Newson, W., and Co., Calcutta	certificate
Nujeeb Khan, Calcutta	certificate

SAUCES.

Great Eastern Hotel and General Purveying Co., Calcutta	certificate
Newson, W., and Co., Calcutta	certificate

REFINED SUGAR, FINEST WHITE
COARSE CRYSTALS.

Rosa Factory, N. W. Provinces	certificate
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REFINED SUGAR, FINEST WHITE.

Rosa Factory, N. W. Provinces	certificate
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PATNA RICE.

Department of Agriculture, N. W. Provinces	certificate
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COFFEE.

Chowdikadu Estate, Madras	certificate
Eliza Estate, Madras	certificate
Hallacarey Estate, Madras	certificate
Waverley Estate, Madras	certificate

THIRD ORDER OF MERIT.

TEAS, ORANGE & FLOWERY PEKOES.

Amgoorie Tea Estate, Assam	certificate
Balasun Tea Co. Limited Darjeeling	certificate
Glendale Estate, Neilgherry Hills	certificate
Glendale Estate, Neilgherry Hills	certificate
Holta Tea Co., Kangra Valley	certificate
Kangra Valley Tea Co., Kangra Valley	certificate
Kodanaad Estate, Neilgherry Hills	certificate
Kodanaad Estate, Neilgherry Hills	certificate
Kodanaad Estate, Neilgherry Hills	certificate
Kodanaad Estate, Neilgherry Hills	certificate
Koomber Tea Estate, Cachar	certificate
Land Mortgage Bank, Assam	certificate
Land Mortgage Bank, Assam	certificate
Land Mortgage Bank, Cachar	certificate
Lullecherra Tea Estate, Cachar	certificate
Lullecherra Tea Estate, Sylhet	certificate
Marionbarrie Tea Estate, Darjeel- ing	certificate
Palumpore Tea Estate, Kangra Valley	certificate

PEKOES (INDIGENOUS TEAS).

Lullecherra Tea Estate, Sylhet	certificate
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TEAS, PEKOES.

Bamgaon Tea Estate, Assam	certificate
Bullabaree Tea Estate, Dooars	certificate
Cinnatolliah Tea Estate, Assam	certificate
Chardwar Tea Estate, Assam	certificate
Dilkoosh Tea Estate, Cachar	certificate
Jorehaut Tea Co., Assam	certificate
Jorehaut Tea Co., Assam	certificate

Kamptiegwallie Tea Estate, Assam	certificate
Koddem Tea Estate	certificate
Kodanaad Estate, Neilgherry Hills	certificate
Kousanie Tea Co., Kumaon	certificate
Land Mortgage Bank, Assam	certificate
Lines Tea Estate, Kumaon	certificate
Luckwah Tea Estate, Assam	certificate
Lullecherra Tea Estate, Sylhet	certificate
Marionbarrie Tea Estate, Darjeel- ing	certificate
Mahmara Tea Estate, Assam	certificate
Mahmara Tea Estate, Assam	certificate
Palumpore Tea Estate, Kangra Valley	certificate
Panitollah Tea Estate, Assam	certificate
Parry and Co., Madras	certificate
Phoenix Tea Co., Bundookmara, Cachar	certificate
Seembong Tea Estate, Darjeeling	certificate

TEAS, PEKOE SOUCHONG.

Byjnauth Tea Estate, Kangra Valley	certificate
Chandpore Tea Estate, Chittagong	certificate
Cinnatolliah Tea Estate, Assam	certificate
Dodgson's Estate, C. H., Kangra Valley	certificate
Kangra Valley Tea Co., Kangra Valley	certificate
Kodanaad Estate, Neilgherry Hills	certificate
Kodanaad Estate, Neilgherry Hills	certificate
Kousanie Tea Co., Kumaon	certificate
Larsingah Tea Estate, Cachar	certificate
Longview Tea Estate, Darjeeling	certificate

Luckwah Tea Estate, Assam	certificate
Lullecherra Tea Estate, Sylhet	certificate
Lushkerpore Tea Estate, South Sylhet	certificate
Marionbarrie Tea Estate, Neilgherry Hills	certificate
Nassau Tea Co., Kangra Valley	certificate
Ramgurh Tea Estate, Hazaribagh	certificate
Roopacherra Tea Estate, Cachar	certificate
Rungagora Tea Estate, Assam	certificate
Scottish Assam Co., Assam	certificate
Seembong Tea Estate, Darjeeling	certificate
Teesta Valley Tea Co., Darjeeling	certificate

TEAS, SOUCHONG.

Amgoorie Tea Estate, Assam	certificate
Avenue Tea Estate, Neilgherry Hills	certificate
Jorehaut Tea Co., Assam	certificate
Jorehaut Tea Co., Assam	certificate
Lidderdale Tea Estate, Neilgherry Hills	certificate
Lidderdale Tea Estate, Neilgherry Hills	certificate
Lines Tea Co., Kumaon	certificate
Luckwah Tea Estate, Assam	certificate
Panitollah Tea Estate, Assam	certificate

TEAS, BROKEN PEKOE.

Amluckie Tea Estate, Assam	certificate
Avenue Tea Estate, Neilgherry Hills	certificate
Bamgaon Tea Estate, Assam	certificate
Chandpore Tea Estate, Chittagong	certificate
Ellenbarrie Tea Estate, Western Dooars	certificate
Longview Tea Estate, Darjeeling	certificate
Lullecherra Tea Estate, Sylhet	certificate
Lydiacherra Tea Estate, Cachar	certificate
Marionbarrie Tea Estate, Darjeeling	certificate
Punkabaree Tea Estate, Darjeeling	certificate
Seembong Tea Estate, Darjeeling	certificate
Soom Tea Co., Darjeeling	certificate
Teesta Valley Tea Co., Darjeeling	certificate

BROKEN TEA AND FANNINGS.

Kamptiegwallie Tea Estate	certificate
Land Mortgage Bank, Assam	certificate

Land Mortgage Bank, Cachar	certificate
Luckwah Tea Estate, Assam	certificate
Mahmara Tea Estate, Assam	certificate
Scottish Assam Co., Assam	certificate
Seembong Tea Estate, Darjeeling	certificate
Tarzum Tea Estate, Darjeeling	certificate

TEAS, CONGOU.

Glendale Estate, Neilgherry	certificate
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TEAS, HYSON AND YOUNG HYSON.

Craws Tea Estate, Kumaon	certificate
Craws Tea Estate, Kumaon	certificate
Kousanie Tea Co., Kumaon	certificate
Lines Tea Co., Kumaon	certificate

TEAS, IMPERIAL AND GUNPOWDER.

Bhuttoo Tea Estate, Kangra Valley	certificate
Craws Tea Estate, Kumaon	certificate
Craws Tea Estate, Kumaon	certificate
Kousanie Tea Co., Kumaon	certificate
Kousanie Tea Co., Kumaon	certificate

MIXED TEAS.

Kousanie Tea Co., Kumaon	certificate
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COFFEE.

Goatfel Estate, Madras	certificate
Sussex Estate, Madras	certificate

REFINED SUGARS, LOAF.

Rosa Factory, N. W. Provinces	certificate
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CURRIE POWDER.

Great Eastern Hotel and General Purveying Co., Calcutta	certificate
Newson, W., and Co., Calcutta	certificate

CHUTNEYS.

Framjee Nowrojee, Bombay	certificate
Vencatachellum, P., Madras	certificate

PADDY RICE.

Bengal Sub-Committee, Bengal	certificate
Central Provinces Committee, Central Provinces	certificate
Department of Agriculture, N. W. Provinces	certificate
Digue, W. F., South Arcot	certificate
Hurry Row, R., Tanjore, Madras	certificate

Jury Section XXXV.—BEERS.**SECOND ORDER OF MERIT.****PALE ALE, BOTTLED.**

Naini Tal Brewery, Oudh, N. W. Provinces	certificate
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BROWN ALES, BOTTLED.

Naini Tal Brewery, Oudh, N. W. Provinces	certificate
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BOTTLED PORTER.

Murree Brewery Co.	certificate
Naini Tal Brewery, Oudh, N. W. Provinces	certificate

CAPE COLONY, SOUTH AFRICA.

Jury Section V.—PHOTOGRAPHIC PROOFS AND APPARATUS.

SECOND ORDER OF MERIT.

LANDSCAPE AND BUILDING PHOTOGRAPHS.

Bruton, J. E., Cape Town certificate

Jury Section XIV.—LEATHERWORK AND FANCY ARTICLES.

FIRST ORDER OF MERIT.

TROPHIES OF CHASE.

Chirnside, A., jun., Victoria bronze

Jury Section XV.—COTTON, FLAX, HEMP, CLOTHING, &c.

FIRST ORDER OF MERIT.

OSTRICH FEATHERS.

Bailey and Kerr, Cape Town bronze

SECOND ORDER OF MERIT.

OSTRICH FEATHERS.

Douglas, A., Graham Town certificate

Jury Section XXXIV.—WINES.

THIRD ORDER OF MERIT—CERTIFICATE.

Cloete, J. P.	..	..	Great Constantia	Constantia	Vintage not given
Cloete, J. P.	..	..	"	Red dry Constantia	" "

FOURTH ORDER OF MERIT—CERTIFICATE.

Cloete, J. P.	..	..	Great Constantia	Constantia (dry)	Vintage not given
Cloete, J. P.	..	..	"	"	" "
Cloete, J. P.	..	..	Constantia	Red Constantia	" "
Cloete, J. P.	..	..	"	Pontac	" "
Cloete, J. P.	..	..	"	Red dry	" "
Green, E. K.	..	..	Cape of Good Hope	Marsala	" "
Green, E. K.	..	..	"	White wine	" "

FIFTH ORDER OF MERIT—CERTIFICATE.

Cloete, J. P.	..	..	Constantia	..	Frontignac Constantia	Vintage not given
Green, E. K.	..	..	Cape of Good Hope		Tinto	" "

Jury Section XXXIVa.—SPIRITS.

FIFTH ORDER OF MERIT.

BRANDY, IN CASE.

Bosenberg, S., Cape Town

certificate

Jury Section XXXVI.—HORTICULTURE AND CONSERVATORIES.

SECOND ORDER OF MERIT.

THE HYDROPULT (SYRINGES).

Bailey and Kerr, Cape Town

certificate

CEYLON.

Jury Section I.—FINE ARTS.

SECOND ORDER OF MERIT.

ENGRAVED AND LITHOGRAPHED MAPS.

Ferguson, A. M. and J., Colombo certificate

Jury Section III.—EDUCATION.

THIRD ORDER OF MERIT.

MAPS.

Ferguson, A. M. and J., Colombo certificate

FOURTH ORDER OF MERIT.

MAPS.

Dixon, A. C., Colombo

certificate

LACE.

School of the Church Mission, Cotta certificate

Jury Section IV.—PRINTING, BOOKS, STATIONERY, &c.

FOURTH ORDER OF MERIT.

PRINTING.

Ceylon Government, Colombo certificate

HONOURABLE MENTION—COMMENDED.

STYLES AND BOOKS.

Government Agent, Kandy

certificate

PRINTED BOOKS.

De Alwis, Rev. C., Colombo

certificate

Ferguson, A. M. and J., Colombo certificate

Jury Section V.—PHOTOGRAPHIC PROOFS AND APPARATUS.

FIRST ORDER OF MERIT.

LANDSCAPE AND BUILDING PHOTOGRAPHS.

Skeene, W. L. H., and Co., Colombo

bronze

SECOND ORDER OF MERIT.

LANDSCAPE AND BUILDING PHOTOGRAPHS.

Douffet, L. E., Nuwara Eliya

certificate

Jury Section IX.—FURNITURE AND ACCESSORIES.

SECOND ORDER OF MERIT.

CARVED EBONY STAND AND PAIR OF EBONY COUCHES.

De Silva, D. F., Colombo

certificate

THIRD ORDER OF MERIT.**TWO CARVED EBONY LOUNGING CHAIRS.**

Andris, Don, Galle

certificate

FOURTH ORDER OF MERIT.**LOUNGING CHAIR AND TEAPOY.**

Sumps, A. C., Colombo

certificate

Jury Section XI.—JEWELLERY AND SILVERSMITHS' WORK.**FIRST ORDER OF MERIT.****GOLDSMITHS' AND SILVERSMITHS' WORK.**

Ceylon Government, Colombo

(2)

SECOND ORDER OF MERIT.**GOLDSMITHS' AND SILVERSMITHS' WORK.**

Gomes, J. B., Mudliyar, Colombo

certificate

THIRD ORDER OF MERIT.**GOLDSMITHS' AND SILVERSMITHS' WORK.**

Palipane, P. B., Ratemahatmeya

certificate

De Silva, D. F., Colombo

certificate

GOLD AND SILVER JEWELLERY.

De Silva, D. F., Colombo

certificate

GOLDSMITHS' AND SILVERSMITHS' WORK, ORNAMENTS.

Werasiri, D. J., Galle

certificate

GEMS AND PRECIOUS STONES.

Gomes, J. B., Mudliyar, Colombo

certificate

GOLD HAIRPIN AND EARRINGS.

Jayasinghe, Don Gabriel Dewapura, Galle

certificate

FOURTH ORDER OF MERIT.**GOLDSMITHS' AND SILVERSMITHS' WORK.**

Halpe, —, Ratemahatmeya

certificate

GOLD AND SILVER JEWELLERY.

Ratnawibusane, Don Carolis

certificate

Suwaris, Don

certificate

IVORY CHARMS FOR CHAINS.

Bentara Yahatugoda Tepanishami

certificate

HONOURABLE MENTION—SPECIAL CERTIFICATE.**GOLDSMITHS' AND SILVERSMITHS' WORK.**

Government Agent, Kandy

certificate

Jury Section XII.—CIVIL ENGINEERING, PUBLIC WORKS.**HONOURABLE MENTION.****CONCRETE.**

Kyle, John, Colombo

certificate

Jury Section XIII. & XXII.—CHEMICAL & PHARMACEUTICAL PRODUCTS.

SECOND ORDER OF MERIT.

CINCHONA BARK.		ESSENTIAL OILS.	
Cameron, E. H.	certificate	Delmege, Reid and Co., Colombo and Galle	certificate
Lee, Hedges and Co., Colombo	certificate	MEDICINAL HERBS, ROOTS, AND BARKS.	
Mackwoods and Co.	certificate	Trimen, Dr., Director Royal Botanic Gardens, Peradeniya	certificate
Owen, T. C., Oonoongalla Estate	certificate		

THIRD ORDER OF MERIT.

MEDICINAL OILS.	
Dessanaika, D. A. T., Mudliyar	certificate

HONOURABLE MENTION.

HAL RESIN.		TANNING BARKS.	
Ceylon Government, Colombo	certificate	Dessanaika, D. A. T., Mudliyar	certificate

Jury Section XIV.—LEATHERWORK AND FANCY ARTICLES.

FIRST ORDER OF MERIT.

WRITING-DESKS AND WORKBOXES.	
De Silva, D. F., Colombo	bronze

SECOND ORDER OF MERIT.

WRITING-DESKS, WORKBOXES, CIGAR-CASES.		FANCY ARTICLES, CARVING.	
Wijenarayane, Don Adrian, Galle	certificate	Werasiri, D. J., Galle	certificate

THIRD ORDER OF MERIT.

WRITING-DESKS, WORKBOXES, CIGAR-CASES.		BASKET AND STRAW WORK.	
De Costa, H. V. Carolis, Galle	certificate	Ceylon Government, Colombo	certificate
De Silva, Don Nicholas, Weera-jayasundara Goonewardene, Galle	certificate		
Hami, B. Y. B. Baban, Galle	certificate		
Subehami, A. W., Galle	certificate		

FIFTH ORDER OF MERIT.

FANCY GOODS.		BASKET AND STRAW WORK.	
Jayasinghe, Don Andris Dewa-paratne, Galle	certificate	Abeynarayane, Don C. W.	certificate
Hami, G. Y. B., Tephanis, Galle	certificate		

Jury Section XV.—COTTON, FLAX, HEMP, CLOTHING, &c.

SECOND ORDER OF MERIT.

WALKING-STICKS.	
Wijenarayane, Don Adrian, Galle	certificate

Jury Section XVIII.—WEAPONS, &c.**HONOURABLE MENTION.**

SHELLS.		BLACK CORAL.	
Ceylon Government, Colombo	certificate	De Dominica, A., Colombo	certificate

Jury Section XIX.—PRODUCTS OF FORESTS.**SECOND ORDER OF MERIT.**

SPECIMENS OF CEYLON WOODS.			
Ceylon Government, Colombo	certificate	Peiries, H. B., Morotuwa	certificate

THIRD ORDER OF MERIT.

SPECIMENS OF CEYLON WOODS.	
Don Andris, B. G., Kumbalwella	certificate

FOURTH ORDER OF MERIT.

SPECIMENS OF CEYLON WOODS.			
Dessanaika, D. J. T., Hapitigam Korale	certificate	Wijenarayane, Don Adrian, Galle	certificate

FIFTH ORDER OF MERIT.

SPECIMENS OF CEYLON WOODS.			
Gabriel, Fernando, Alutkur, Korale North	certificate	Martos, R. H., Kumbalwella	certificate

Jury Section XX.—AGRICULTURAL PRODUCTS, NOT USED FOR FOOD.**FIRST ORDER OF MERIT.**

FLAX, HEMP, FIBRES.		OILS.	
Delmege, Reid and Co., Colombo and Galle	silver	Armitage Brothers, Colombo	silver

SECOND ORDER OF MERIT.

OILS.			
Ceylon Government, Colombo	certificate	Delmege, Reid and Co., Colombo and Galle	certificate
Dessanaika, D. J. T., Mudliyar	certificate		

THIRD ORDER OF MERIT.

FLAX, HEMP, FIBRES.		LEAF TOBACCOS.	
Dessanaika, D. J. T., Mudliyar	certificate	Ceylon Government, Colombo	certificate
CANDLE-NUTS, &c.		Delmege, Reid and Co., Colombo and Galle	certificate
Government Agent, Kandy	certificate	William, J. P., Heneratgoda	certificate
GUM, RESINS, AND WAX.			
Dessanaika, D. J. T., Mudliyar	certificate		

FOURTH ORDER OF MERIT.

FLAX, HEMP, FIBRES.		OILS.	
Sumps, A. C., Colombo	certificate	Dreiberg, J. F., Ekelle	certificate

GUMS, RESINS, AND WAX.		FLAX, HEMP.	
William, J. P., Heneratgoda	certificate	Mackwoods and Co., Colombo	certificate
CIGARS.		COPRA.	
Ingleton, J. R., Dumbara	certificate	Delmege, Reid and Co., Colombo and Galle	certificate

Jury Section XXIV. & XXV.—AGRICULTURAL IMPLEMENTS.

FIFTH ORDER OF MERIT.

MODELS OF VARIOUS IMPLEMENTS.

Ceylon Government, Colombo certificate

Jury Section XXVIII.—RAILWAYS, MINING, AND METALLURGY.

SECOND ORDER OF MERIT.

PLUMBAGO.

Fernando, W. A., Colombo certificate

THIRD ORDER OF MERIT.

PLUMBAGO.

Armitage Bros., Colombo	certificate	ROCKS, MINERALS, GEMS.	
Delmege, Reid and Co., Colombo	certificate	Dixon, A. C., B.Sc., F.C.S., Colombo	certificate

FOURTH ORDER OF MERIT.

PLUMBAGO, ENCLOSING QUARTZ, SHOWING THE CARE NECESSARY TO SEPARATE FOREIGN MATTER.

Ferguson, A. M. and J., Colombo certificate

Jury Section XXX.—NAVIGATION.

SECOND ORDER OF MERIT.

MODELS, NATIVE BOATS AND VESSELS.

Ceylon Government, Colombo certificate

THIRD ORDER OF MERIT.

COIR ROPE.

Delmege, Reid and Co., Colombo	certificate	Leechman, G. W., and Co., Colombo	certificate
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Jury Section XXXI. and XXXII.—CEREALS, CONDIMENTS, AND STIMULANTS.

FIRST ORDER OF MERIT.

COFFEE.

Baker, J. T., Yakkabendakelle Estate	silver	Lee, Hedges and Co., Colombo	silver
Colombo Commercial Co., Colombo	silver	Mackwoods and Co., Gallbodde Estate	silver
Courthope, Bosanquet and Co., Colombo	silver	Whittall and Co., Colombo	silver
Keir, Dundas and Co., Loolecondara Estate	silver		

TEAS, ORANGE AND FLOWERY PEKOES.

The Ceylon Co. Limited, Koladenia Estate	silver
Keir, Dundas and Co., Loolecondera Estate	silver
Keir, Dundas and Co., Loolecondera Estate	silver
Keir, Dundas and Co., Loolecondera Estate	silver
Keir, Dundas and Co., Loolecondera Estate	silver

TEAS, PEKOES.

Haldane and Anton, Dimboola Estate	silver
Stork, A. J., Blackstone Estate	silver

TEAS, BROKEN PEKOES.

The Ceylon Co. Limited, Sogama Estate	silver
Keir, Dundas and Co., Loolecondera Estate	silver

TEAS, PEKOE SOUCHONG.

Keir, Dundas and Co., Loolecondera Estate	silver
Keir, Dundas and Co., Loolecondera Estate	silver

CINNAMON.

Dreiberg, J. F., Ekelle Estate	bronze
Rajapakse, S., Mudliyar	bronze

SECOND ORDER OF MERIT.

TEAS, PEKOE SOUCHONG.

Shand, P. R., Dunedin Estate	certificate
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TEAS, SOUCHONG.

Keir, Dundas and Co., Loolecondera Estate	certificate
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CINNAMON.

De Silva, H., Kaderane	certificate
Lee, Hedges and Co., Colombo	certificate

THIRD ORDER OF MERIT.

COFFEE.

Armitage Bros., Colombo	certificate
Delmege, Reid and Co., Langdale Estate	certificate
Delmege, Reid and Co., Kintyre Estate	certificate
Delmege, Reid and Co., Tillicoultry Estate	certificate
Thotallagalla Estate	certificate

TEAS, ORANGE AND FLOWERY PEKOES.

Hay, C. A., Windsor Forest Estate	certificate
Keir, Dundas and Co., Loolecondera Estate	certificate
Keir, Dundas and Co., Loolecondera Estate	certificate
Mackwoods and Co., Gallbodde Estate	certificate

TEAS, PEKOES.

Mackwoods and Co., Gallbodde Estate	certificate
Shand, P. R., Dunedin Estate	certificate
Stork, A. J., Blackstone Estate	certificate

TEAS, PEKOE SOUCHONG.

The Ceylon Co. Limited, Hope Estate	certificate
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The Ceylon Co. Limited, Sogama

Estate	certificate
Hay, C. A., Windsor Forest Estate	certificate
Leechman, G. and W., Agrawatte Estate	certificate
Mackwoods and Co., Colombo	certificate

TEAS, SOUCHONG.

The Ceylon Co. Limited, Koladenia Estate	certificate
Hay, C. A., Windsor Forest Estate	certificate
Leechman, G. and W., Agrawatte Estate	certificate
Mackwoods and Co., Colombo	certificate

TEAS, BROKEN PEKOE.

Armstrong, C. S., Rookwood Estate	certificate
Mackwoods and Co., Gallbodde Estate	certificate
Mackwoods and Co., Gallbodde Estate	certificate

TEAS, CONGOU.

Keir, Dundas and Co., Loolecondera Estate	certificate
Smith, J. A., Lonmay Estate	certificate

MIXED TEAS.

Owen, T. C., Oonoongalla Estate	certificate
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HONOURABLE MENTION.

PADDY RICE.

Commissioners for Ceylon, Colombo	certificate
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Jury Section XXXVI.—HORTICULTURE, CONSERVATORIES.

SECOND ORDER OF MERIT.

KEKUNA AND GINGELLI OILS, MANDAL SEEDS.
Government Agent, Kandy certificate

HONOURABLE MENTION.

PRODUCE OF COCOANUT PALM.
Leechman, G. W., and Co., Colombo certificate

Jury Section XXXVII.—WEAVING, SEWING, AND PRINTING MACHINERY.

FIFTH ORDER OF MERIT.

KANDYAN SPINDLE AND COMB.
Ceylon Government, Colombo certificate

LADIES' JURY.

FIRST ORDER OF MERIT.

Tenishami, E. P.	LACE.	certificate	LACE SUPPLIED BY MISSION SCHOOL.	certificate
			Dowbiggin, Rev. T. R., Cotta	

SECOND ORDER OF MERIT.

Wijenarayane, Don Adrian, Galle certificate

JAMAICA.

Jury Section XXXIVa.—SPIRITS.

FIFTH ORDER OF MERIT.

RUM, IN BULK (DARK).

Desnous, P., and Co., Kingston	certificate
Desnous, P., and Co., Kingston	certificate
Desnous, P., and Co., Kingston	certificate

RUM, IN BULK (WHITE)

Desnous, P., and Co., Kingston	certificate
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Jury Section XXXIVc.—CORDIALS AND LIQUEURS.

FIRST ORDER OF MERIT.

NOYEAU.

Desnous, P., and Co., Kingston	bronze
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SECOND ORDER OF MERIT.

BITTERS.

Desnous, P., and Co., Kingston	certificate
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MISCELLANEOUS CORDIALS.

Desnous, P., and Co., Kingston	certificate
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MAURITIUS.

Jury Section I.—FINE ARTS.

THIRD ORDER OF MERIT.

ENGRAVED AND LITHOGRAPHED MAPS.

Crook, W., Port Louis

certificate

Jury Section III.—EDUCATION.

FIFTH ORDER OF MERIT.

MAPS.

Crook, W., Maries, Seychelles

certificate

Jury Section XVIII.—WEAPONS, &c.

SECOND ORDER OF MERIT.

FOUR CASES NATURAL HISTORY SPECIMENS.

De Robillard, V.

certificate

HONOURABLE MENTION.

CORALS.

Cherry Mouton

certificate

Jury Section XIX.—PRODUCTS OF FORESTS.

SECOND ORDER OF MERIT.

INDIGENOUS WOODS.

Cantley, N., Acting-Director Botanic Gardens

certificate

Jury Section XX.—AGRICULTURAL PRODUCTS, NOT USED FOR FOOD.

FIRST ORDER OF MERIT.

FLAX, HEMP, FIBRES.

Cantley, N., Acting-Director Botanic Gardens

(2)

Evenor de Chazal, Terre Rouge

silver

SNUFF.

Coubra, Mn.

bronze

OILS.

Magazin Général des Huiles de Coco

silver

SECOND ORDER OF MERIT.

GUM, RESIN, AND WAX.

Desjardin, N.

certificate

CIGARS.

Vally, C.

certificate

(2) Certificate equal to silver.

Jury Section XXX.—NAVIGATION.

THIRD ORDER OF MERIT.

MANILLA ROPE.

De Ninenville, P., Plaisance

certificate

Jury Section XXXI. and XXXII.—CEREALS, CONDIMENTS, AND STIMULANTS.

FIRST ORDER OF MERIT.

VANILLA.

Baudon, A., Versailles	bronze
Heirs Rouge, Gemen	bronze
Jolly, J., Solitude	bronze

SUGARS, BREWING CRYSTALS.

De Rochecouste, A. K., Beau Vallon	silver
Jamin, Mrs., Savana	silver
Menage and Desjardins, L'Amitie	silver
Pilot, H. and L., St. Aubin	silver

DESSERT FRUITS, PRESERVED IN SYRUP.

La Flore, Mauricienne	silver
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VACUUM-PAN SUGARS, FINEST WHITES.

Arnaud, A., and Co., Rich-Fund	silver
Constantin, D., Benares	silver
D'Arifat Bros., Constance	silver
Desvaux Bros., Côte d'Or	silver
Gibmer and Co., Deux Bras	silver
Jeffray, A., and Co., Argy	silver
Pilot, H. and L., St. Aubin	silver

SECOND ORDER OF MERIT.

CLOVES.

Grand Dargon Estate	certificate
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VANILLA.

Boucher, C. le, Notre Dame du Bocage	certificate
Peguillan, J.	certificate

VANILLA, PAN.

Bouton, H.	certificate
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VACUUM-PAN SUGARS, FINEST WHITES.

Arnaud, A., and Co., Rich-Fund	certificate
Chastellier, P. L., and Co., Bar-le-Duc	certificate
D'Arifat Bros., La Gaite	certificate
D'Arifat Bros., La Gaite	certificate

Geroday, B., Bon Accueil	certificate
Pilot, H., and Co., St. Aubin	certificate
Robinson, G., Reunion	certificate

VACUUM-PAN SUGARS, BREWING CRYSTALS.

Barlow and Co., Plaisance	certificate
Heirs, Pellegrin and Co., Constance	certificate
Samouilhan and Co., Union Park	certificate

COUNTERS, SUGAR.

D'Arifat Bros., La Gaite	certificate
Gilmer and Co., Deux Bras	certificate

VACUUM-PAN SUGARS, GRAINY YELLOWS.

Nozaie, A., and Co., Mon Repos	certificate
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THIRD ORDER OF MERIT.

VACUUM-PAN SUGARS, FINEST WHITES.

Arnaud, A., and Co., Rich-Fund	certificate
Jeffray, Mrs. C., and Co., Bellevue	certificate
Koenig, Mrs. H., Medine	certificate
Louvet, Nayl and Co., Albion	certificate
Samouilhan and Co., Union Vale	certificate

BREWING CRYSTALS.

De Rochecouste, A. K., Beau Vallon	certificate
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COUNTERS, SUGAR.

Jeffray, Mrs. C., and Co., Bellevue	certificate
Jeffray, A., and Co., Argy	certificate

ARROWROOT.

Pipon, Mrs. C., Chaumiere	certificate
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VANILLA.

Leinara, Cherie, Chebel	certificate
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Jury Section XXXIVa.—SPIRITS.

FIFTH ORDER OF MERIT.

RUM, IN BULK (WHITE).

Barker, S., and Co., Balaclava

certificate

STRAITS SETTLEMENTS.

Jury Section VI.—MUSICAL INSTRUMENTS.

HONOURABLE MENTION.

NATIVE MUSICAL INSTRUMENTS.

The Maharajah of Johor, K.C.S.I. and
G.C.M.G., Johor certificate

Jury Section XI.—JEWELLERY AND SILVERSMITHS' WORK.

HONOURABLE MENTION.

GOLDSMITHS' AND SILVERSMITHS' WORK.

Inche Mahomed Syed, Singapore
Lim Teck Hee, Malacca special certificate
special certificate

UNIQUE JEWELLERY.

Selangor, H. H. the Sultan of,
Selangor special certificate

Jury Section XIII. and XXII.—CHEMICAL AND PHARMACEUTICAL PRODUCTS.

FIRST ORDER OF MERIT.

GAMBIER.

Guthrie and Co., Singapore bronze
Read, Hon. W. H., Rhio bronze

INDIA-RUBBER AND GUTTA-PERCHA.

Foo Tye Sin, Penang bronze

GUM COPAL AND GUTTA-PERCHA.

Paterson, Simons and Co., Singapore bronze

ESSENTIAL OILS.

GUMS—DAMAR, BENJAMIN, AND LAC,
DRAGON'S BLOOD, & GUTTA-PERCHA.
Guthrie and Co., Singapore bronze

Fisher, J., Singapore bronze
Hardouin, C., Penang bronze

Jury Section XIV.—FANCY GOODS.

THIRD ORDER OF MERIT.

BASKET AND STRAW WORK.

Westerhout, J. E., Malacca certificate

FOURTH ORDER OF MERIT.

FANCY ARTICLES IN WOOD WORK.

Swettenham, F. A., Singapore certificate

Jury Section XV.—COTTON, FLAX, HEMP, CLOTHING, &c.

FOURTH ORDER OF MERIT.

NATIVE COSTUMES.

Swettenham, F. A., Singapore certificate

FIFTH ORDER OF MERIT.

NATIVE COSTUMES.

The Maharajah of Johor, K.C.S.I. and
G.C.M.G., Johor certificate

HONOURABLE MENTION.

Rolland, J. B., Kesang, Malacca certificate

FIRST ORDER OF MERIT.

The Maharajah of Johor, K.C.S.I. and G.C.M.G., Johor silver

SPECIMENS OF NATIVE WOODS.

Magalhaens, J. M. R., Penang certificate

Paterson, Simons and Co., Singa-
pore certificate

Government of Selangor, Selangor certificate
Penang Sugar Estates Co., Penang certificate

Tan Tek Guan, Malacca certificate

RATTANS.

Guthrie and Co., Singapore certificate

Government of Selangor, Selangor certificate

SPECIMENS OF WOODS.

Captain China, Selangor certificate

FIRST ORDER OF MERIT.

Koh Seang Tat, Penang silver

FLAX, HEMP, FIBRES.

Westerhout, J. E., Malacca certificate

Deli and Lang Kat Cigar and
Cigarette Co., Deli certificate

OILS.

Tan Tek Guan, Malacca certificate

TOBACCO.

Onderneming, Deli certificate

FIFTH ORDER OF MERIT.

MODELS OF MALAY IMPLEMENTS.

Trevenen, N. P., Malacca certificate

Jury Section XXVIII.—RAILWAYS, MINING, AND METALLURGY.

FIRST ORDER OF MERIT.

ORES.			
Borneo Co. Limited, Sarawak	silver	TIN.	
		Captain China, Selangor	silver
TIN ORES.		Government of Perak, Perak	(2)
Government of Perak, Perak	(2)		

THIRD ORDER OF MERIT.

TIN ORES.	
Captain China, Selangor	certificate

HONOURABLE MENTION.

PEWTER, AND BLOCK TINWARE.	
Daly, D. D., Selangor	certificate

Jury Section XXX.—NAVIGATION.

SECOND ORDER OF MERIT.

MODELS OF NATIVE BOATS AND VESSELS.	
The Maharajah of Johor, K.C.S.I. and G.C.M.G., Johor	certificate

THIRD ORDER OF MERIT.

MODELS OF NATIVE BOATS AND VESSELS.	
Government of Straits Settlements, Singapore	certificate

Jury Section XXXI.—CEREALS, CONDIMENTS, AND STIMULANTS.

FIRST ORDER OF MERIT.

JAMS AND JELLIES.		TAPIOCA, PEARL, MEDIUM.	
Favre, C., Singapore	silver	Knaggs, W., Singapore	bronze
		Tan Tek Guan, Singapore	bronze
RICE.		TAPIOCA, FINE WHITE.	
Koh Seang Tat, Penang	silver	Guthrie and Co., Singapore	bronze
		Knaggs, W., Singapore	bronze
RICE, WHITE SIAM.		CLOVES.	
Guthrie and Co., Singapore	silver	Brown and Co., Penang	bronze
TAPIOCA FLOUR.		MACE.	
De Mornay, H., Malakoff Estate, Penang	bronze	Koh Seang Tat, Penang	bronze
De Mornay, H., Malakoff Estate, Penang	bronze	WHITE PEPPER, WHOLE.	
Knaggs, W., Singapore	bronze	Gilfillan, Wood and Co., Singapore	bronze
Penang Plantation Co., Penang	bronze	Guthrie and Co., Singapore	bronze
TAPIOCA, LARGE FLAKE.		BLACK PEPPER, WHOLE.	
Penang Plantation Co., Penang	bronze	Gilfillan, Wood and Co., Singapore	bronze
		Guthrie and Co., Singapore	bronze
TAPIOCA, PEARL, LARGE BULLETS.		SAGO, SMALL PEARL.	
Westerhout, J. E., Malacca	bronze	Gilfillan, Wood and Co., Singapore	bronze

(2) Certificate equal to silver.

SECOND ORDER OF MERIT.

FRUITS PRESERVED IN SYRUP.		TAPIOCA, MEDIUM PEARL.	
Bastiani, J., Singapore	certificate	Gilfillan, Wood and Co., Singapore	certificate
Favre, C., Singapore	certificate	Guthrie and Co., Singapore	certificate
CRYSTALLISED FRUITS.		TAPIOCA, FINE WHITE.	
Favre, C., Singapore	certificate	Gilfillan, Wood and Co., Singapore	certificate
		Tan Tek Guan, Singapore	certificate
RICE, RANGOON.		TAPIOCA, LARGE AND SMALL FLAKE, PEARL AND FLOUR.	
Guthrie and Co., Singapore	certificate	Si Bun Tiong, Sungei Ujong	certificate
RICE, SAIGON.		CLOVES.	
Guthrie and Co., Singapore	certificate	Koh Seang Tat, Penang	certificate
TAPIOCA FLOUR.		NUTMEGS.	
Tan Tek Guan, Singapore	certificate	Guthrie and Co., Singapore	certificate
TAPIOCA, LARGE FLAKE.		SAGO, LARGE PEARL.	
De Mornay, H., Malakoff Estate, Penang	certificate	Gilfillan, Wood and Co., Singapore	certificate
		Guthrie and Co., Singapore	certificate
TAPIOCA, SMALL FLAKE.		SAGO, MEDIUM PEARL.	
Knaggs, W., Singapore	certificate	Guthrie and Co., Singapore	certificate
Knaggs, W., Singapore	certificate		
Westerhout, J. E., Malacca	certificate	SAGO, SMALL PEARL.	
Westerhout, J. E., Malacca	certificate	Guthrie and Co., Singapore	certificate
TAPIOCA, PEARL, LARGE BULLETS.		SAGO FLOUR.	
Guthrie and Co., Singapore	certificate	Gilfillan, Wood and Co., Singapore	certificate
Knaggs, W., Singapore	certificate		

THIRD ORDER OF MERIT.

PADDY RICE.		NUTMEGS.	
Koh Seang Tat, Singapore	certificate	Koh Seang Tat, Penang	certificate
TAPIOCA FLOUR.		PEPPER, WHOLE WHITE.	
Gilfillan, Wood and Co., Singapore	certificate	Foo Tye Sin, Penang	certificate
CLOVES.		PEPPER, WHOLE BLACK.	
Gilfillan, Wood and Co., Singapore	certificate	Read, W. H., The Hon., Rhio	certificate
CLOVES, AMBAINA.		PEPPER, BLACK AND WHITE.	
Guthrie and Co., Singapore	certificate	Foo Tye Sin, Penang	certificate
		SAGO.	
		Guthrie and Co., Singapore	certificate

Jury Section XXXIVa.—SPIRITS.

FOURTH ORDER OF MERIT.

RUM, IN BULK (DARK).		RUM, IN BULK (WHITE).	
Penang Sugar Estates Co. Limited, Penang	certificate	Lamb, J., Penang	certificate
		Penang Sugar Estates Co. Limited, Penang	certificate

FIFTH ORDER OF MERIT.

RUM, IN BULK (WHITE).	
Vermont, J. B. M., Penang	certificate

AUSTRALASIAN COLONIES.

FIJI.

Jury Section I.—FINE ARTS.

FOURTH ORDER OF MERIT.

WATER-COLOUR SKETCHES FROM NATURE.

Thomas, G. W., Levuka

certificate

Jury Section V.—PHOTOGRAPHIC PROOFS AND APPARATUS.

SECOND ORDER OF MERIT.

LANDSCAPE AND BUILDING PHOTOGRAPHS.

Dufty, F. H., Levuka

certificate

Jury Section XII.—CIVIL ENGINEERING, PUBLIC WORKS.

SECOND ORDER OF MERIT.

CORAL LIME.

Ryder Bros., Mango Island

certificate

Jury Section XIV.—LEATHERWORK AND FANCY ARTICLES.

FOURTH ORDER OF MERIT.

BASKET AND STRAW WORK.

Government of Fiji, Suva

certificate

Jury Section XV.—COTTON, HEMP, FLAX, CLOTHING, &c.

FIFTH ORDER OF MERIT.

NATIVE LADY'S BALL-DRESS.

Fowler, Mrs., Levuka

certificate

Jury Section XVIII.—WEAPONS, &c.

FIRST ORDER OF MERIT.

NATIVE WEAPONS.

Gordon, Sir Arthur, Commissioner, Levuka

bronze

HONOURABLE MENTION.

CORAL.

Government of Fiji, Suva

certificate

Jury Section XIX.—PRODUCE OF FORESTS.

SECOND ORDER OF MERIT.

SPECIMENS OF FIJIAN WOODS.

Parr, H. B., Levuka

certificate

THIRD ORDER OF MERIT.

SPECIMENS OF INDIGENOUS TIMBERS.

Ryder Bros., Mango Island

certificate

FOURTH ORDER OF MERIT.

SANDALWOOD.

Government of Fiji, Suva

certificate

Jury Section XX.—AGRICULTURAL PRODUCTS, NOT USED FOR FOOD.

FIRST ORDER OF MERIT.

FLAX, HEMP, FIBRES.

Hill, Captain, Rambir

silver

Busch, A., and Co., Levuka

silver

Hulton, H., Taviuni

silver

COTTON.

Commissioners for Fiji, Levuka

(2)

Ryder Bros., Mango Island

silver

SECOND ORDER OF MERIT.

FLAX, HEMP, AND FIBRES.

Ryder Bros., Mango Island

certificate

Thurston, J. B., Levuka

certificate

OILS.

Fraser, M. H., Tai Levu

certificate

LEAF TOBACCO.

Burness, T. F., Raki Raki

certificate

COTTON.

Mason, Hon. J. E., Taviuni

certificate

M'Evoy and Kelsall, Ciccia, Lomo

Lomo

certificate

Petersen, J. H., Taviuni

certificate

COPRA AND CANDLE-NUTS.

Commissioners for Fiji, Levuka

certificate

THIRD ORDER OF MERIT.

OILS.

Morgan, G. and Co., Levuka

certificate

Ryder Bros., Mango Island

certificate

COPRA, CANDLE-NUTS, AND DILO-NUTS.

Burness, T. F., Raki Raki

certificate

Cove, H., Levuka

certificate

Gibbs and Swayne, Vatuboro

certificate

Hill, Captain, Rambir

certificate

Holmes, R. L., Bua, Vanua Levu

certificate

Levick, —, Lomo Lomo

certificate

Mason, Hon. J. E., Taviuni

certificate

Ryder Bros., Mango Island

certificate

FOURTH ORDER OF MERIT.

COPRA, CANDLE-NUTS, AND DILO-NUTS.

M'Evoy, G., Ciccia, Lomo Lomo

certificate

FIFTH ORDER OF MERIT.

GRASSES FOR FODDER.

Ryder Bros., Mango Island

certificate

(2) Certificate equal to silver.

Jury Section XXVIII.—RAILWAYS, MINING, AND METALLURGY.

FOURTH ORDER OF MERIT.

MINERALS AND ROCKS.

Ryder Bros., Mango Island certificate

Jury Section XXXI. and XXXII.—CEREALS, CONDIMENTS, AND STIMULANTS.

FIRST ORDER OF MERIT.

COFFEE.

Holmes, R. L., Bua, Vanua Levu silver
Mason, J. C., Taviuni silver
Peterson, J. H., Taviuni silver
Ryder Bros., Mango Island silver

Waterstone, Kade Bua silver

ARROWROOT.

Ryder Bros., Mango Island silver
Shane, Mrs., Rewa River silver

SECOND ORDER OF MERIT.

OPEN-PAN SUGARS, GRAINY YELLOWS.

Rewa Plantation Co., Rewa certificate
Rewa Plantation Co., Rewa certificate

ARROWROOT.

Abbot, Mrs., Rewa River certificate
Fisher, F. E., Taviuni certificate
Holmes, R. L., Bua, Vanua Levu certificate
Muir Brothers, Nandi certificate
M'Pherson, E., Somo Somo certificate

MAIZE, NINETY DAYS (GRAIN 1881).

Gibbs and Swayne, Dreketi certificate
Muir Bros., Wadi certificate
Ryder Bros., Mango Island certificate

TURMERIC.

Ryder Bros., Mango Island certificate

THIRD ORDER OF MERIT.

OPEN-PAN SUGARS, MEDIUM COUNTERS.

Pioneer Mills, Rewa River certificate

Jury Section XXXIVa.—SPIRITS.

FOURTH ORDER OF MERIT.

RUM, IN BULK (WHITE).

Rewa Plantation Co., Rewa certificate

FIFTH ORDER OF MERIT.

RUM, IN BULK (DARK).

Rewa Plantation Co., Rewa certificate
Rewa Plantation Co., Rewa certificate

RUM, IN BULK (WHITE).

Rewa Plantation Co., Rewa certificate

Jury Section XXXVI.—HORTICULTURE, CONSERVATORIES.

FIRST ORDER OF MERIT.

DRIED FIJIAN FERNS.

Spence, F., Levuka certificate

NEW SOUTH WALES.

Jury Section I.—FINE ARTS.

FIRST ORDER OF MERIT.

LITHOGRAPHY, ARTISTIC.		PHOTO-LITHO AND ZINCOGRAPHIC REPRODUCTIONS.	
Fitzgerald, R. D., Sydney	silver	Adams, P. F., Surveyor-General of New South Wales, Sydney	(2)

SECOND ORDER OF MERIT.

WOOD ENGRAVINGS.		PHOTO-LITHO AND ZINCOGRAPHIC REPRODUCTIONS.	
Collingridge, A. and G., Ryde, Parramatta River	certificate	Hart and Roux, Sydney	certificate
Walmsley, J., Petersham	certificate		
ENGRAVED AND LITHOGRAPHED MAPS.		PEN-AND-INK DRAWING.	
Adams, P. F., Surveyor-General of New South Wales, Sydney	certificate	Forde, Mrs. Edward	certificate
		James, H. A., Sydney	certificate
		Lowrey, C. C., Grenfell	certificate

THIRD ORDER OF MERIT.

LITHOGRAPHY, ARTISTIC AND COMMERCIAL.		PEN-AND-INK DRAWINGS.	
Umpleby, E. C., Balmain	certificate	Collingridge, A., Ryde, Parramatta River	certificate
OLEO, CHROMO-LITHO, AND CHROMO-TYPOGRAPHS.		WATER-COLOURS.	
Reynolds, P. E., Sydney	certificate	Combes, E., C.M.G., Miller's Point	certificate

FIFTH ORDER OF MERIT.

WATER-COLOURS.	
Hern, C. E., Sydney	certificate

Jury Section II.—SCULPTURE, BRONZES, &c.

THIRD ORDER OF MERIT.

SCULPTURE.	
Simonetti, A., Sydney	certificate

Jury Section III.—EDUCATION.

FIRST ORDER OF MERIT.

MAPS.		SCHOOLS OF DESIGN.	
Department of Mines, Sydney	(1)	Schools of Design (Mechanics'), Sydney	(1)

(1) Certificate equal to gold.

(2) Certificate equal to silver.

SECOND ORDER OF MERIT.

MAPS.		SCHOOL APPLIANCES.	
Adams, P. F., Surveyor-General of New South Wales, Sydney	certificate	Department of Public Instruction, Sydney	certificate

THIRD ORDER OF MERIT.

MAPS.		SCHOOL APPLIANCES.	
Searchfield, E., Sydney	certificate	Troughton and Boulton, Sydney	certificate

FOURTH ORDER OF MERIT.

MAPS.	
Butterfield, G., Marrachville	certificate

Jury Section IV.—PRINTING, BOOKS, STATIONERY.

FIRST ORDER OF MERIT.

BOOKBINDING.		PRINTING.	
Richards, T., Government Printer, Sydney	(2)	Richards, T., Government Printer, Sydney	(3)
TYPES, STEREOS, AND ELECTROS.			
Richards, T., Government Printer, Sydney	(2)		

SECOND ORDER OF MERIT.

ACCOUNT-BOOKS.		PHOTO-LITHOS AND WOODBURY TYPE.	
Richards, T., Government Printer, Sydney	certificate	Richards, T., Government Printer, Sydney	certificate

THIRD ORDER OF MERIT.

BINDING AND MARBLING.		PRINTING PAPER.	
Jerrems, C., Sydney	certificate	Williams and Murray, Liverpool	certificate
PUBLICATIONS.			
Royal Society, Sydney	certificate		

Jury Section V.—PHOTOGRAPHIC PROOFS AND APPARATUS.

FIRST ORDER OF MERIT.

LANDSCAPE AND BUILDING PHOTOS.		Richards, T., Government Printer, Sydney		(3)
Richards, T., Government Printer, Sydney	(3)	PORTRAITS, COLOURED AND TINTED.		
PORTRAITS TAKEN DIRECT.		Boyd, J. H., Sydney	bronze	
Rüstfeldt, E., Sydney	bronze	Newman, J. H., Sydney	bronze	
ENLARGED PHOTOS.		PORTRAITS.		
Boyd, J. H., Sydney	bronze	Boyd, J. H., Sydney	bronze	
Newman, J. H., Sydney	bronze	Newman, J. H., Sydney	bronze	

SECOND ORDER OF MERIT.

LANDSCAPE AND BUILDING PHOTOS.		HELIOTYPES.	
Newman, J. H., Sydney	certificate	Hart and Roux, Sydney	certificate
PORTRAITS.		Richards, T., Government Printer, Sydney	certificate
Rudolph and Caspers, Goulburn	certificate		

(2) Certificate equal to silver.

(3) Certificate equal to bronze.

THIRD ORDER OF MERIT.**LANDSCAPE AND BUILDING PHOTOS.**

Holterman, B. O., Sydney

certificate

Jury Section VI.—Sub-Jury.—PRINTED MUSIC.**THIRD ORDER OF MERIT.****METHOD OF MUSIC.**

Drewe, Amelia, Sydney

certificate

HONOURABLE MENTION.**PRINTED MUSIC.**

Richards, T., Government Printer, Sydney

certificate

Jury Section VII.—MEDICINE, HYGIENE, AND PUBLIC RELIEF.**SECOND ORDER OF MERIT.****SURGICAL INSTRUMENTS AND APPLIANCES.**

Guyatt, G., Sydney

certificate

FOURTH ORDER OF MERIT.**MECHANICAL DENTISTRY, IN GOLD AND VULCANITE.**

Spencer, J., Sydney

certificate

Jury Section VIII.—CLOCKS AND WATCHES.**FIFTH ORDER OF MERIT.****WATCH WHEELS.**

Smith, J. M., Sydney

certificate

Jury Section IX.—FURNITURE AND ACCESSORIES.**SECOND ORDER OF MERIT.****DRAWINGROOM FURNITURE.**

Lawson, J., Sydney

certificate

THIRD ORDER OF MERIT.**EBONISED GILT SIDEBOARD.**

Hasarts, L., Sydney

certificate

FOURTH ORDER OF MERIT.**BRASS AND IRON BEDSTEADS.**

Foster, J., and Sons, Sydney

certificate

OFFICE FURNITURE.

Hudson Bros., Redfern

certificate

WARDROBE.

Jones, W., and Son, Glebe

certificate

FIFTH ORDER OF MERIT.

TABLE TOP, IMITATION WOOD AND STONE.	VENETIAN AND WIRE BLINDS.
Kean, J. A., Sydney	Rowe, T., and Son, Sydney
certificate	certificate

HONOURABLE MENTION.

MATS AND MATTING.

Read, J. C., Darlinghurst	certificate
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Jury Section X.—GLASS AND POTTERY.

FIFTH ORDER OF MERIT.

POTTERY.

Baldock Bros., Camperdown	certificate
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Jury Section XI.—JEWELLERY AND SILVERSMITHS' WORK.

FIRST ORDER OF MERIT.

GOLDSMITHS' AND SILVERSMITHS' WORK.

Jones, Evan, Sydney	silver
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THIRD ORDER OF MERIT.

GEMS AND PRECIOUS STONES.

Liversedge, Prof., Sydney	certificate	Mining Department, Sydney	certificate
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FOURTH ORDER OF MERIT.

GOLD AND SILVER JEWELLERY.

Jones, Evan, Sydney	certificate
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Jury Section XII.—CIVIL ENGINEERING, PUBLIC WORKS.

FIRST ORDER OF MERIT.

GRINDSTONES.

Lassetter, F., and Co., Sydney	bronze
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CARBURETTED GAS APPARATUS.

Smith and Hamilton, Sydney	bronze
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FREESTONE.

Saunders, R., Ultimo	bronze
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SECOND ORDER OF MERIT.

BRICKS.

Stevens and Kyle, Albury	certificate
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THIRD ORDER OF MERIT.

STONE FLAGGING.

Gibbs, W. R., Wagga Wagga	certificate
O'Neill, D. J., Burrowa	certificate

STAINED GLASS WINDOWS.

Ashwin and Falconer, Sydney	certificate
Lyell, Cottier and Co., Sydney	certificate

BUILDING STONES.

Brown, T., West Maitland	certificate
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HONOURABLE MENTION.

BUILDING STONES.

Barnet, James, Sydney	certificate
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Jury Section XIII. and XXII.—CHEMICAL AND PHARMACEUTICAL PRODUCTS.

FIRST ORDER OF MERIT.

GLUE.

Samuel, Hon. S., Sydney

bronze

SECOND ORDER OF MERIT.

SOAPS.

Mulcahey, J. and J., Redfern

certificate

COLOURS.

Rudder, E. W., Pyrmont

certificate

THIRD ORDER OF MERIT.

GUMS AND RESINS.

Crawford, A. R.

certificate

HONOURABLE MENTION.

GRASS-TREE GUM AND VARNISH.

Department of Mines, Sydney

certificate

FURNITURE POLISH.

Holterman, B. O., Sydney

certificate

Jury Section XIV.—LEATHERWORK AND FANCY ARTICLES.

SECOND ORDER OF MERIT.

DRESSING-CASES AND WORKBOXES.

Alderson and Sons, Sydney

certificate

PORTMANTEAUS AND TRUNKS.

Alderson and Sons, Sydney

certificate

THIRD ORDER OF MERIT.

MECHANICAL TOYS.

Lassetter, F., and Co., Sydney

certificate

Jury Section XV.—COTTON, FLAX, HEMP, CLOTHING, &c.

Sub-Jury.—BOOTS.

SECOND ORDER OF MERIT.

FACTORY BOOTS.

Gillespie, C., Goulburn

certificate

THIRD ORDER OF MERIT.

FACTORY BOOTS.

Alderson and Co., Sydney

certificate

Jury Section XVII.—SILK AND LACE.

FIRST ORDER OF MERIT.

RAW SILKS.

Affleck, Thomas, Albury

silver

RAW AND MANUFACTURED SILK.

Neill, Mrs. Blayden, Corowa

silver

Jury Section XVIII.—WEAPONS, &c.**FIRST ORDER OF MERIT.****STUFFED BIRDS AND FISH.**

Australian Museum, Sydney

(3)

Jury Section XIX.—PRODUCTS OF FORESTS.**FIRST ORDER OF MERIT.****NEW SOUTH WALES WOODS.**

Department of Mines, Sydney

(2)

THIRD ORDER OF MERIT.**CLARENCE RIVER WOODS.**

Page, T., Grafton

certificate

TURPENTINE WOOD.

Davis, Thomas, Terrigal Saw-mills

certificate

OLD WOODS.

Lucas, John, M.P., Camperdown

certificate

FOURTH ORDER OF MERIT.**CORKWOOD AND CORKS.**

Milton, H. M., Balmain

certificate

Jury Section XXI.—WOOL.**SECOND ORDER OF MERIT.****MERINO WOOL, EWES, ANY AGE,
UNWASHED.**

Austin and Millear, Wanganella

certificate

MERINO WOOL, RAMS, UNWASHED.

Austin and Millear, Wanganella

certificate

THIRD ORDER OF MERIT.**MERINO WOOL, UNWASHED, 2-TOOTHED EWES.**

Austin and Millear, Wanganella

certificate

Jury Section XXIII.—LEATHER AND SKINS.**FIRST ORDER OF MERIT.****PATENT SHOE, SADDLERY, BELT LEATHER.**

Alderson and Sons, Sydney

silver

SECOND ORDER OF MERIT.**SOLE LEATHER.**

Forsyth and Sons, Sydney

certificate

THIRD ORDER OF MERIT.**DRESSED SHOE LEATHER.**

Alderson and Sons, Sydney

certificate

(2) Certificate equal to silver.

(3) Certificate equal to bronze.

Sub-Jury.—SADDLES, HARNESS, &c.**SECOND ORDER OF MERIT.**

SADDLES.		ASSORTMENT OF HARNESS.	
Alderson and Sons, Sydney	certificate	Alderson and Sons, Sydney	certificate
SOMERSET SADDLE.			
Alderson and Sons, Sydney	certificate		

Jury Section XXIV. & XXV.—AGRICULTURAL IMPLEMENTS.**THIRD ORDER OF MERIT.**

PLOUGHS.	
Wright, John, Sydney	certificate

FIFTH ORDER OF MERIT.

DOUBLE-FURROW PLOUGH.		CORN SHELLERS.	
Manners, John, Taree	certificate	Manners, John, Taree	certificate

Jury Section XXVI.—MACHINES, MACHINE TOOLS.**FIRST ORDER OF MERIT.**

MARINE ENGINES.		HEAVY FORGINGS.	
Mort's Dock Co., Sydney	gold	Mort's Dock Co., Sydney	silver

SECOND ORDER OF MERIT.

LEATHER BELTING.		LEATHER HOSE.	
Alderson and Sons, Sydney	certificate	Alderson and Sons, Sydney	certificate
Knibbs, J. H., Sydney	certificate		

THIRD ORDER OF MERIT.

HOSE COUPLINGS.	
Marshall, A. and A., and Co., Sydney	certificate

Jury Section XXVII.—CARRIAGES.**FIRST ORDER OF MERIT.**

OPEN SINGLE-SEATED BUGGY, ON C SPRINGS.	
Haining and Schemmel, Sydney	silver

FOURTH ORDER OF MERIT.

BATTLEDEN CAR.			
Marshall, J. C., Sydney	certificate	Ristoul, R., Sydney	certificate

HONOURABLE MENTION.

ANGUS BUGGY, PATENT SEAT.	
Angus, W. T., Sydney	certificate

Jury Section XXVIII.—RAILWAYS, MINING, AND METALLURGY.

FIRST ORDER OF MERIT.

IRON, FROM THE RAW MATERIAL.		REFINED TIN.	
Eskbank Iron Co., Lithgow	gold	Department of Mines, Sydney	(2)
TIN ORE.		COPPER FROM COBAR COPPER MINE.	
Banks, J. H., Sydney	silver	Department of Mines, Sydney	(3)
Butchart, J. H., Sydney	silver	GEOLOGICAL SKETCH MAP OF NEW SOUTH WALES.	
ROCKS AND MINERALS.		Department of Mines, Sydney	(3)
Department of Mines, Sydney	(2)	RESEARCHES ON THE PALEOZOIC FOSSILS OF NEW SOUTH WALES, PLATES AND LETTER-PRESS.	
NICKEL AND ITS ALLOYS.		De Koninck, Prof. L. G., Sydney	bronze
C. Icke, Newcastle	silver	PALEOZOIC AND MEZOZOIC FLORA OF EAST AUSTRALIA.	
MINERALS AND FOSSILS.		Firmantel, Dr., Sydney	bronze
Isaacsohn, M., Sydney	silver	COAL.	
HAND-MADE HORSE-SHOES.		Australian Kerosene Oil Mineral Co., Sydney	bronze
Dadd, E., Sydney	silver	Newcastle Wallsend Coal Co., Newcastle	bronze
REGULUS, POT-METAL, AND ANTIMONY ORES.		New Lambton Colliery Co., Newcastle	bronze
Herrinschmidt, H., Sydney	silver	Waratah Coal Co., Waratah	bronze
FOSSILS.		KEROSENE SHALE.	
Department of Mines, Sydney	(2)	New South Wales Shale and Oil Co., Sydney	bronze
STAR ANTIMONY & ANTIMONY ORES.			
Department of Mines, Sydney	(2)		

SECOND ORDER OF MERIT.

MANUFACTURED IRON AND STEEL.		COAL.	
Brown and Brown, Sydney	certificate	Greta Colliery Co.	certificate
FOSSIL BONES AND CASTS.		Illawarra Coal Co., Wollongong	certificate
Australian Museum, Sydney	certificate	Osborne Wallsend Colliery Co., Wollongong	certificate
ASBESTOS, GOLD, AND SERPENTINE.		Vale of Clwydd Coal Co., Lithgow	certificate
Australian Asbestos Co., Gundagai	certificate	OIL SHALE.	
		Mackenzie, D. F., and Moore, C.K., Mount Victoria	certificate

THIRD ORDER OF MERIT.

COKE.		ANTIMONY ORE FROM THE DELLA FORCES MINE, KEMPSEY.	
Co-operative Colliery Co., Newcastle	certificate	Macleay Antimony Mining Co.	certificate
Purified Coal and Coke Co., Wallsend	certificate	TOOLS AND SAWS.	
COAL.		Milham, —, Sydney	certificate
Coal Cliff Coal Mining Co.	certificate		
Newcastle Coal Mining Co., Newcastle	certificate		

(2) Certificate equal to silver.

(3) Certificate equal to bronze.

FOURTH ORDER OF MERIT.

FIRE AND BURGLAR PROOF SAFES.
Wearne, T., Sydney certificate

COPPER ORE.
Great Cobar Copper Mining Co.,
Sydney certificate

TIN AND BISMUTH LODE STUFF.
Stuart, Hon. A. certificate

HONOURABLE MENTION.

PROGRESS REPORTS OF THE DEPART-
MENT FROM 1875 TO 1880.
Department of Mines, Sydney certificate

COPPER SHOE TIPS.
West, A., Darlington certificate

GOLD.
Byers, H. L., M.P., Sydney certificate
Suttor, W. H., Bathurst certificate

LOCKS.
Tall, G., Sydney certificate

Sub-Jury.—RAILWAY APPLIANCES.

FIRST ORDER OF MERIT.

RAILWAY SLEEPING CAR.
Hudson Bros., Sydney silver

MODEL OF ZIG-ZAG RAILWAY, EVAN'S
PATENT SELF-ACTING TRAMWAY
POINTS, G. JEDSTED'S TRAMWAY
RAIL AND CHAIR.
Commissioner for Railways, Sydney (3)

Jury Section XXIX.—TELEGRAPHIC APPARATUS, &c.

FIRST ORDER OF MERIT.

TELEGRAPH AND ELECTRIC APPARATUS.
Cracknell, E. J., Superintendent of Telegraph
Department, Sydney (2)

SECOND ORDER OF MERIT.

APPARATUS MADE IN SYDNEY.
Cracknell, E. J., Superintendent of Telegraph
Department, Sydney certificate

Jury Section XXX.—NAVIGATION.

FIRST ORDER OF MERIT.

SAILING-BOAT.
Kinnermann, E., Sydney silver

SECOND ORDER OF MERIT.

MANILLA ROPE.
Forsyth, R., and Co., Sydney certificate

HALF MODELS OF LAUNCHES AND
YACHTS.
Mort and Co., Sydney certificate

OARS, SCULLS, AND HANDSPIKES.
Stephenson, M., Sydney certificate

SHIPS' SIDE SCUTTLES.
Marshall, A. A., Sydney certificate

SHIPS' BLOCKS.
Stephenson, M., Sydney certificate

(2) Certificate equal to silver.

(3) Certificate equal to bronze.

THIRD ORDER OF MERIT.

HALF MODELS OF YACHTS.

Buckingham, Woolloomooloo

certificate

Jury Section XXXI. and XXXII.—CEREALS, CONDIMENTS,
AND STIMULANTS.

FIRST ORDER OF MERIT.

FINEST WHITE COARSE CRYSTAL SUGAR.		BEANS, KIDNEY (NEW).	
Colonial Sugar Co., Sydney	silver	Campbell, D. P., Cunningham Plains	bronze
FINEST WHITE SUGAR.		SEED, SUGAR BEET.	
Colonial Sugar Co., Sydney	silver	Manning, Jas., Bega	bronze
WHEAT, PURPLE STRAW (GRAIN 1881).		MAIZE, NINETY DAYS (GRAIN 1880).	
Faint, Geo., Spring Valley	silver	Geehan, J., Hawkesbury	bronze
WHEAT, BUCK (GRAIN 1881).		Manning, Jas., Bega	bronze
Macarthur, Sir W., Camden Park	silver	MALT VINEGAR.	
TARES, BLACK.		Monk, D. J., Sydney	bronze
Manning, Jas., Bega	bronze	MAIZENA.	
		Munn, M., and Co., Merimbula	bronze

SECOND ORDER OF MERIT.

REFINED SUGARS.		MAIZE, NINETY DAYS (GRAIN 1881).	
Colonial Sugar Co., Sydney	certificate	Davis, Geo., Hawkesbury	certificate
SUGARS, COUNTERS.		Gather, F., jun., Hawkesbury	certificate
Colonial Sugar Co., Sydney	certificate	WHEAT (GRAIN 1881).	
SUGARS, THIRD COUNTERS.		Sweeney, J., Sydney	certificate
Colonial Sugar Co., Sydney	certificate	MAIZENA.	
		Wade, J., and Co., Sydney	certificate

THIRD ORDER OF MERIT.

SUGAR, OPEN-PAN (MEDIUM COUNTERS).		BEANS, SMALL HORSE (NEW).	
Page, T., Clarence River	certificate	Manning, Jas., Bega	certificate
FLOUR.		WHEAT (GRAIN 1881).	
Faint, Geo., Armidale	certificate	Campbell, D. P., Cunningham Plains	certificate
WHEAT.		Hayes, J., Jamestown	certificate
Faint, Geo., Armidale	certificate		

FOURTH ORDER OF MERIT.

WHEAT, PURPLE STRAW (GRAIN 1881).		WHEAT.	
Faint, Geo., Spring Valley	certificate	Faint, Geo., Armidale	certificate
		Faint, Geo., Armidale	certificate

Jury Section XXXIV.—WINES.

SECOND ORDER OF MERIT—CERTIFICATE.

Kelman, Jas.	...	Kirkton	...	White hermitage	Vintage 1879
Munro, A.	...	Singleton	...	"	"
Munro, A.	...	"	...	Pineau	" 1877

Munro, A.	...	...	Singleton	...	White shiraz	Vintage 1878
Munro, A.	...	...	"	...	" "	" 1879
Munro, A.	...	...	"	...	" hermitage	" 1880

THIRD ORDER OF MERIT—CERTIFICATE.

Bouffier, F.	...	...	Hunter River	...	Red hermitage	Vintage 1876
Brecht, C.	...	...	Denman	...	Pineau	" 1878
Carmichael Bros.	...	...	Williams River	...	Riesling	" 1876
Carmichael Bros.	...	...	"	...	Madeira	" "
Davies, A. E., and Co.	...	...	Hunter River	...	Pineau	" 1879
Doyle, Jas. F.	...	...	Kaludah	...	Verdeilho	" 1876
Doyle, Jas. F.	...	...	"	...	"	" 1877
Doyle, Jas. F.	...	...	"	...	Kaludah	" 1876
Doyle, Jas. F.	...	...	"	...	Red hermitage	" 1875
Fallon, Jas.	...	...	Albury	...	Riesling	" 1868
Fallon, Jas.	...	...	"	...	"	" 1872
Greer, W. E., and Co.	...	...	"	...	Tokay	" 1877
Greer, W. E., and Co.	...	...	"	...	Muscat	" 1875
Greer, W. E., and Co.	...	...	"	...	Aucarot	" "
Kelman, Jas.	...	...	Kirkton	...	Hock	" 1873
Kelman, Jas.	...	...	"	...	White hermitage	" 1876
Kelman, Jas.	...	...	"	...	Riesling	" "
Kelman, Jas.	...	...	"	...	"	" 1877
Kelman, Jas.	...	...	"	...	"	" 1879
Kelman, Jas.	...	...	"	...	Verdeilho	" 1875
Kelman, Jas.	...	...	"	...	"	" 1876
Kelman, Jas.	...	...	"	...	"	" 1878
Kelman, Jas.	...	...	"	...	Kirkton	" "
Kelman, Jas.	...	...	"	...	Hock	" 1876
Kelman, Jas.	...	...	"	...	Kirkton	" 1877
Munro, A.	...	...	Singleton	...	Riesling	" 1878
Munro, A.	...	...	"	...	"	" "
Munro, A.	...	...	"	...	"	" 1879
Munro, A.	...	...	"	...	Verdeilho	" 1877
Munro, A.	...	...	"	...	"	" 1878
Munro, A.	...	...	"	...	"	" 1879
Munro, A.	...	...	"	...	Pineau	" 1878
Munro, A.	...	...	"	...	White shiraz	" 1876
Munro, A.	...	...	"	...	Riesling (sweet)	" 1880
Munro, A.	...	...	"	...	Red hermitage	" 1877
Munro, A.	...	...	"	...	Madeira	" 1879

FOURTH ORDER OF MERIT—CERTIFICATE.

Bouffier, F.	...	...	Hunter River	...	Pineau	Vintage 1876
Bouffier, F.	...	...	"	...	Madeira	" 1878
Buckholtz, F.	...	...	Mudgee	...	Red muscatel	" 1875
Carmichael Bros.	...	...	Williams River	...	Madeira	" "
Davies, A. E., and Co.	...	...	Hunter River	...	Shepherd's riesling	" 1877
Greer, W. E., and Co.	...	...	Albury	...	Carbinet	" 1876
Hill, John	...	...	Singleton	...	Riesling	" 1879
Jack, D.	...	...	Inverell	...	Madeira	" 1876
Jack, D.	...	...	"	...	"	" 1878
Kelman, Jas.	...	...	Kirkton	...	White hermitage	" 1877
Kelman, Jas.	...	...	"	...	Verdeilho	" "
Kelman, Jas.	...	...	"	...	Kirkton	" 1876
Macarthur, J. and W.	...	...	Camden Park	...	Red muscat	" "
Macarthur, J. and W.	...	...	"	...	Riesling	" "
Munro, A.	...	...	Singleton	...	Verdôt	" 1877
Munro, A.	...	...	"	...	White wine (not named)	" "
Munro, A.	...	...	"	...	Red hermitage	" 1880
Munro, A.	...	...	"	...	Burgundy	" 1877
Munro, A.	...	...	"	...	Riesling	" 1876
Vill Bros.	...	...	Hunter River	...	Verdôt	" 1878

FIFTH ORDER OF MERIT—CERTIFICATE.

Bouffier, F.	...	Hunter River	...	Claret	Vintage 1878
Brecht, C.	...	Denman	...	Riesling	" 1877
Brecht, C.	...	"	...	Red hermitage	" 1878
Brecht, C.	...	"	...	Claret	" 1877
Buckholtz, F.	...	Mudgee	...	Verdeilho	" 1876
Buckholtz, F.	...	"	...	Riesling	" 1878
Buckholtz, F.	...	"	...	Red hermitage	" 1876
Carmichael Bros.	...	Williams River	...	Porphyry	" 1877
Davies, A. E., and Co.	...	Hunter River	...	White shiraz	" "
Davies, A. E., and Co.	...	"	...	Tokay	" 1876
Davies, A. E., and Co.	...	"	...	Riesling	" 1877
Davies, A. E., and Co.	...	"	...	Red hermitage	" 1879
Davies, A. E., and Co.	...	"	...	"	" 1880
Davies, A. E., and Co.	...	"	...	Petit verdôt	" 1879
Davies, A. E., and Co.	...	"	...	Gold "	" "
Doyle, Jas. F.	...	Kaludah	...	Red hermitage	" 1876
Doyle, Jas. F.	...	"	...	"	" 1877
Drinan, J.	...	Hunter River	...	"	" 1880
Fallon, Jas.	...	Albury...	...	Tokay	" 1868
Fallon, Jas.	...	"	...	"	" 1872
Fallon, Jas.	...	"	...	Red hermitage	" 1868
Fallon, Jas.	...	"	...	Shiraz	" "
Fallon, Jas.	...	"	...	Port	" "
Fallon, Jas.	...	"	...	Champagne	" not given
Fallon, Jas.	...	"	...	" (extra dry)	" "
Fenn, J. H.	...	—	...	Isabella	" 1879
Gow, John	...	Mulgrave	...	Tokay	" 1878
Greer, W. E., and Co.	...	Albury...	...	White muscatel	" 1876
Greer, W. E., and Co.	...	"	...	Shiraz	" "
Greer, W. E., and Co.	...	"	...	"	" 1873
Greer, W. E., and Co.	...	"	...	"	" 1875
Greer, W. E., and Co.	...	"	...	Burgundy	" 1874
Greer, W. E., and Co.	...	"	...	Carbinet	" "
Greer, W. E., and Co.	...	"	...	Malbec	" 1876
Hill, John	...	Singleton	...	Pineau	" 1880
Hill, John	...	"	...	Riesling	" "
Jack, D.	...	Inverell	...	Madeira	" 1877
Jack, D.	...	"	...	Shiraz (white)	" 1876
Jack, D.	...	"	...	Red hermitage	" "
Kelman, Jas.	...	Kirkton	...	Kirkton	" 1872
Kelman, Jas.	...	"	...	Claret	" 1875-6
Kelman, Jas.	...	"	...	"	" 1878
Kelman, Jas.	...	"	...	"	" "
Kelman, Jas.	...	"	...	"	" "
Kelman, Jas.	...	"	...	"	" 1879
Kelman, Jas.	...	"	...	Red hermitage	" 1876
Kelman, Jas.	...	"	...	"	" "
Kelman, Jas.	...	"	...	"	" 1877
Macarthur, J. and W.	...	Camden Park	...	Red muscat	" "
Munro, A.	...	Singleton	...	Pineau	" 1876
Munro, A.	...	"	...	Red hermitage	" 1878
Munro, A.	...	"	...	"	" 1876
Munro, A.	...	"	...	Lambruscat	" 1880
Munro, A.	...	"	...	Port	" 1876
Munro, A.	...	"	...	"	" 1878
Munro, A.	...	"	...	White muscat	" 1877
Munro, A.	...	"	...	"	" 1878
Stephen, G. H.	...	Hunter River	...	Red hermitage	" 1877
Vill Bros.	...	"	...	"	" "
Vill Bros.	...	"	...	"	" 1878
Vill Bros.	...	"	...	"	" 1879
Vill Bros.	...	"	...	Burgundy	" 1878
Vill Bros.	...	"	...	Lambruscat	" "

Jury Section XXXIVa.—SPIRITS.

THIRD ORDER OF MERIT.

RUM, IN BULK (DARK).

New South Wales Sugar Co.

certificate

FIFTH ORDER OF MERIT.

RUM, IN BULK (WHITE).

New South Wales Sugar Co.

certificate

RUM, IN BULK (DARK).

New South Wales Sugar Co.

certificate

Jury Section XXXIVc.—CORDIALS AND LIQUEURS.

FIRST ORDER OF MERIT.

CLOVES.

Lindsay, H. L., Hay

bronze

GINGER WINE.

Lindsay, H. L., Hay

bronze

GINGER ALE.

Lindsay, H. L., Hay

bronze

GINGER BRANDY.

Starkey, J., Sydney

bronze

LEMONADE.

Starkey, J., Sydney

bronze

CHERRY BRANDY.

Barrett and Co., Sydney

bronze

GINGER PUNCH.

Barrett and Co., Sydney

bronze

SECOND ORDER OF MERIT.

PEPPERMINT.

Barrett and Co., Sydney

certificate

Lindsay, H. L., Hay

certificate

GINGERETTE.

Starkey, J., Sydney

certificate

CHERRY BRANDY.

Starkey, J., Sydney

certificate

SYRUPS.

Lindsay, H. L., Hay

certificate

SODA-WATER.

Lindsay, H. L., Hay

certificate

TONIC WINES.

Lindsay, H. L., Hay

certificate

MISCELLANEOUS CORDIALS.

Lindsay, H. L., Hay

certificate

HONOURABLE MENTION.

MINERAL WATERS.

Barrett and Co., Sydney

certificate

Jury Section XXXV.—BEERS.

FIRST ORDER OF MERIT.

INDIA PALE ALE, BOTTLED.

Lindsay, H. L., Hay

bronze

STOUT, BOTTLED.

Lindsay, H. L., Hay

bronze

Jury Section XXXVI.—HORTICULTURE AND CONSERVATORIES.**FIRST ORDER OF MERIT.**

DRIED FERNS.		INDIGENOUS PLANTS.	
Field, H. H., Sydney	certificate	The Commissioners for New South Wales, Sydney	certificate
ORANGE TREES.		PLANTS REPRESENTING COAST VEGETATION.	
The Commissioners for New South Wales, Sydney	certificate	The Commissioners for New South Wales, Sydney	certificate

FOURTH ORDER OF MERIT.

MULBERRY TREES.	
Neill, Mrs. Blayden, Corowa	certificate

Jury Section XXXVII.—WEAVING, SEWING, AND PRINTING MACHINES, &c.**FIRST ORDER OF MERIT.**

AERATED-WATER MACHINERY.	
Smith and Hamilton, Sydney	bronze

SECOND ORDER OF MERIT.

BOTTLE STOPPERS.	
Smith and Hamilton, Sydney	certificate

THIRD ORDER OF MERIT.

THE "BAILEY MODEL" PRINTING PRESS.		CORKING MACHINE.	
Bailey, Charles, Sydney	certificate	Stevens, James, Sydney	certificate
MEDAL-STAMPING PRESS.		BOTTLE STOPPERS.	
Jones, Evan, Sydney	certificate	Barrett and Co., Sydney	certificate

LADIES' JURY.**FIRST ORDER OF MERIT.**

PLAIN NEEDLEWORK.			
Anderson, Annie, Windsor School	certificate	Renshaw, Agnes, Windsor School	certificate
Dick, Maggie, Windsor School	certificate	Teale, Lavinia, Windsor School	certificate
Lane, Clara, Windsor School	certificate	Tout, Fannie, Windsor School	certificate
Maisey, Jane, Windsor School	certificate	Wall, Ada, Windsor School	certificate

SECOND ORDER OF MERIT.

PLAIN NEEDLEWORK.		PLAIN NEEDLEWORK.	
Crocker, Annie, Fort-street School	certificate	Humbertstone, Laura, Fort-street School	certificate
Cripps, Esther, Fort-street School	certificate	Merriman, Florence, Fort-street School	certificate
Dalrymple, Jessie, Fort-street School	certificate	Milham, Nelsa, Fort-street School	certificate
Hagarty, Emily, Fort-street School	certificate	Robertson, Ellen, Fort-street School	certificate

IMITATION OF PARIAN MARBLE.
Doubleday, Mrs. M.

certificate

EMBROIDERY (ON SILK BRACES).
Calvert, Mrs. J. J., Marrickville

certificate

THIRD ORDER OF MERIT.

PLAIN NEEDLEWORK.
Bailey, Florence, Ryde Public School certificate
Bailey, Lily, Ryde Public School certificate
Gascoigne, Elizabeth, Ryde Public School certificate

KNITTED QUILT.
Jenkins, Mrs., Pyrmont certificate

HONOURABLE MENTION—COMMENDED.

PLAIN NEEDLEWORK.
Jobson, Edith, Rockley School certificate
Goldsby, Agnes, Rockley School certificate

NEEDLEWORK.
Berry, Ada, Wickham School certificate
Blackess, Matilda, Violet Hill School certificate
Cameron, Maggie, Wickham School certificate
Cameron, Lizzie, Wickham School certificate
Carmont, Maud, Balmain West certificate
Deaf, Dumb, and Blind Asylum certificate

Elsinghausen, Lavinia, Kiama School certificate
Martin, Emma, Wickham School certificate
Martin, Julia, Wickham School certificate
Robson, Emma, Kiera School certificate
Roberts, Mary, Balmain West certificate
Ship, Elizabeth, Kiera School certificate
Swirls, Beatrice, Yarramundi certificate
Waldron, Louisa, Kiama School certificate
Walker, Bella, Kiama School certificate
Yates, Cecilia, Kiera School certificate

JUDGES' JURY.

NEW ZEALAND.

Jury Section I.—FINE ARTS.

FIRST ORDER OF MERIT.

PEN-AND-INK DRAWINGS.

Wrigg, H. C. W., Wellington silver

SECOND ORDER OF MERIT.

STEEL ENGRAVINGS AND ETCHINGS.

Holmes, R. T., Wellington certificate

PEN-AND-INK DRAWINGS.

Savage, W., Christchurch certificate

ENGRAVED AND LITHOGRAPHED MAPS.

Spreat, W. W. J., Wellington certificate

ILLUMINATION.

Sinclair, G., Dunedin certificate

Hector, J., M.D., C.M.G., F.R.S.,
Wellington certificate

WATER-COLOURS.

Surveyor-General, The, Wellington certificate

Gully, J., Nelson certificate

THIRD ORDER OF MERIT.

ENGRAVED AND LITHOGRAPHED MAPS.

Mueller, G., Chief Surveyor, Hoki-
tika certificate

ARCHITECTURAL DRAWINGS.

Lamb, R., Napier certificate

LITHOGRAPHY, ARTISTIC AND COM- MERCIAL.

Buchanan, J., Wellington certificate

HERALDIC PAINTING.

M'Duff, J., Wellington certificate

PEN-AND-INK DRAWINGS.

Boscawen, H., Wellington certificate

FOURTH ORDER OF MERIT.

ARCHITECTURAL DRAWINGS.

Burwell, F. W., Invercargill certificate

FLOWER AND FERN PAINTING (WATER-COLOURS).

Stiffe, Miss Nellie, Christchurch certificate

PEN-AND-INK SKETCHING AND PRINT- ING IN MAORI.

Gordon, W., Taranaki certificate

FLOWER PAINTING ON SILK, IN OILS.

Roberts, Miss Undine, Dunedin certificate

FIFTH ORDER OF MERIT.

DRAWING COPIES, AS USED IN SCHOOLS.

Hutton, David, Dunedin certificate

PEN-AND-INK DRAWING.

Grant, T. M., Wellington certificate

SKETCHES OF FERNS AND TREES.

Fielding, W. S., per Mrs. E.
Halcome, Fielding certificate

Jury Section II.—SCULPTURE, BRONZES, &c.

THIRD ORDER OF MERIT.

WOOD AND STONE CARVING.

Godfrey, L. J., Dunedin certificate

Jury Section III.—EDUCATION.

SECOND ORDER OF MERIT.

MAPS.

Hector, James, M.D., C.M.G., F.R.S., Wellington certificate

THIRD ORDER OF MERIT.

SCHOOL APPLIANCES.

Board of Education, Napier certificate
Haast, Prof. J. von., Ph.D.,
F.R.S., Canterbury certificate

OBJECTIVE READING TABLETS.
Hill, H., Napier certificate

FOURTH ORDER OF MERIT.

MAPS.

Deverell, W., Invercargill certificate

FIFTH ORDER OF MERIT.

MAPS.

Mueller, G., Chief Surveyor, Hokitika certificate
O'Neill, Charles, C.E., Wellington certificate

Jury Section IV.—PRINTING, BOOKS, STATIONERY, &c.

FIRST ORDER OF MERIT.

PUBLICATIONS.

Buller, W. L., C.M.G., D.Sc., F.R.S., Wellington bronze
Hector, James, M.D., C.M.G., F.R.S., Wellington bronze

SECOND ORDER OF MERIT.

ACCOUNT-BOOKS.

Fergusson and Mitchell, Dunedin certificate

THIRD ORDER OF MERIT.

BOOKBINDING.

Burrett, R., Wellington certificate
Didsbury, G., Wellington certificate

PUBLICATIONS.

Enys, J. D., Canterbury certificate

PRINTING.

Didsbury, G., Wellington certificate
"Lyttelton Times," Proprietors of, Christchurch certificate

ENGRAVINGS.

Burrett, R., Wellington certificate

ENGRAVINGS AND LITHOGRAPHS.

Fergusson and Mitchell, Dunedin certificate
"Lyttelton Times," Proprietors of, Christchurch certificate

WRITING INK, BLACK.

Hammond, J., Nelson certificate

FOURTH ORDER OF MERIT.

PUBLICATIONS.

Colenso, W., F.L.S., Napier certificate

PRINTING.

Wilkinson, W., Thames certificate

FIFTH ORDER OF MERIT.

PRINTING.

Edwards and Greene, Wellington certificate

Jury Section V.—PHOTOGRAPHIC PROOFS AND APPARATUS.**FIRST ORDER OF MERIT.**

LANDSCAPE AND BUILDING PHOTOS.		PORTRAITS, NEITHER COLOURED NOR TINTED.	
Collie, W., Napier	bronze		
Travers, W. T. L., F.R.S., Wellington	bronze	Bartlett, R. H., Auckland	bronze
Williams, H., Greymouth	bronze	Wrigglesworth and Binns, Wellington	bronze

SECOND ORDER OF MERIT.

LANDSCAPE AND BUILDING PHOTOS.		PORTRAITS, NEITHER COLOURED NOR TINTED.	
Taylor, J. J., Nelson	certificate	Cherrill, N. K., Christchurch	certificate
		Clifford and Morris, Dunedin	certificate
		Carnell, S., Napier	certificate

THIRD ORDER OF MERIT.

LANDSCAPE AND BUILDING PHOTOS.		PORTRAITS.	
Bragge, J., Wellington	certificate	Gibbs, W. B., Wellington	certificate
Burton Bros., Dunedin	certificate		

Jury Section VI.—MUSICAL INSTRUMENTS.**FOURTH ORDER OF MERIT.****BAGPIPES.**

Simpson, A., Southland	certificate
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Jury Section VII.—MEDICINE, HYGIENE, AND PUBLIC RELIEF.**THIRD ORDER OF MERIT.****ARTIFICIAL LEG, WITH MOVABLE JOINTS.**

Packer, J. A., Nelson	certificate
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Jury Section VIII.—CLOCKS AND WATCHES.**FIFTH ORDER OF MERIT.****PATENT ADDING MACHINE.**

Stowe, L., Wellington	certificate
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Jury Section IX.—FURNITURE AND ACCESSORIES.**SECOND ORDER OF MERIT.**

INLAID TABLE.		CABINET WORK AND CONSOLE TABLE.	
Bernasconi, G., Wellington	certificate	Guthrie and Larnach's New Zealand Timber and Woodenware	
Seuffert, Anton, Auckland	certificate	Factories Co. Limited, Dunedin	certificate

THIRD ORDER OF MERIT.**TWO INLAID TABLES AND TWO BOXES.**

Fleming, George, Nelson	certificate
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FOURTH ORDER OF MERIT.**SPLASHWORK CURTAINS.**

Maxwell, Mrs., Wellington certificate

INLAID WORKTABLE.

Large and Townley, Napier certificate

PICTURE FRAMES.

Myers, T., Wellington certificate

OCTAGON TABLE.

Peters, C., Wellington certificate

FIFTH ORDER OF MERIT.**SIDEBOARD.**

Nicholson, W., Wellington certificate

MATS.

Cook, W., Wellington certificate

VENETIAN BLINDS.

Paterson, Burk and Co., Dunedin certificate

Jury Section X.—GLASS AND POTTERY.**FOURTH ORDER OF MERIT.****PORCELAIN AND EARTHENWARE.**

Reeves and Co., Dunedin certificate

FIFTH ORDER OF MERIT.**POTTERY.**

Condliffe, T., Canterbury certificate

Austin, Kirk and Co. Limited, Christchurch certificate

Jury Section XI.—JEWELLERY AND SILVERSMITHS' WORK.**SECOND ORDER OF MERIT.****GOLDSMITHS' AND SILVERSMITHS' WORK.**

Peterson, B., and Co., Christchurch certificate

THIRD ORDER OF MERIT.**GOLDSMITHS' AND SILVERSMITHS' WORK.**

Sandstein, M., Christchurch certificate

Jury Section XII.—CIVIL ENGINEERING, PUBLIC WORKS.**FIRST ORDER OF MERIT.****GASALIERS.**

Burt, A. and T., Dunedin gold

LIMESTONE.

Oamaru Stone Co. Limited, Oamaru bronze

DRAIN PIPES.

Austin, Kirk and Co. Limited, Christchurch silver

WOODEN HALL DOORS.

Waddell, M'Leod and Weir, Wellington bronze

SECOND ORDER OF MERIT.**DRAIN PIPES.**Ford and Ogden, Canterbury certificate
Norbury, G., Wellington certificate**STONE FLAGGING.**

O'Neill, C., Wellington certificate

WOODEN HALL DOORS.Guthrie and Larnach's New Zealand Timber and Woodenware Factories Co. Limited, Dunedin certificate
Halley and Ewing, Wellington certificate
Stewart and Co., Wellington certificate**BUILDING STONES.**Ellis, J. C., Merrivale, Southland certificate
Greig and Hunter, Christchurch certificate
M'Caffrey, E., Queenstown certificate**PLANS AND PHOTOS.**

O'Connor, E., Hokitika certificate

THIRD ORDER OF MERIT.

COOKING RANGES.
Barningham and Co., Dunedin certificate

BUILDING STONES.
Port Chalmers Quarry Co., Port Chalmers certificate

BOX MANGLE.
Dungan, P. J., Timaru certificate

FOURTH ORDER OF MERIT.

COOKING RANGE.
Atkinson, T., Christchurch certificate

COLONIAL OVENS AND STOVES.
Fisher, H., Thames certificate

HONOURABLE MENTION.

BUILDING STONE.
Munro, George, Dunedin certificate
Thompson, T. J., Bluff certificate
von Haast, Professor Julius, Ph.D., F.R.S., Canterbury certificate
Wilson, W., Christchurch certificate

PATENT CANDLESTICKS.
Douslin, W., Blenheim certificate

GYPSUM AND PLASTER-OF-PARIS.
Plant, W., Thames certificate

SAMPLES OF MARBLE.
Canterbury Marble Co., Christchurch certificate

MODEL LIGHTHOUSE.
Brown, S., Wellington certificate

Jury Section XIII. & XXII.—CHEMICAL AND PHARMACEUTICAL PRODUCTS.

FIRST ORDER OF MERIT.

SOAPS AND CANDLES.
Kitchen, J., and Sons, Wellington gold
M'Leod Brothers, Dunedin gold

350 SPECIMENS KAURI GUMS.
Bush, Captain H., Thames bronze

UNREFINED SULPHUR.
Wilson, J. A., White Island bronze

KAURI GUMS.
Mitchelson, E., Auckland bronze

SECOND ORDER OF MERIT.

KAURI GUM.
Thames Produce Co., Thames certificate

HONOURABLE MENTION.

EXTRACT OF TOWAL.
Grayling, W. J., Taranaki certificate

KAURI GUM.
Hull Brothers, Auckland certificate

PAINTS FROM IRON ORE.
Bennett, F., Thames certificate
Edwards, E. R., Thames certificate
Louisson, T. B., Nelson certificate

KAURI GUM ORNAMENTS.
Paton, H. J., Bay of Islands certificate

Jury Section XIV.—LEATHERWORK AND FANCY ARTICLES.

THIRD ORDER OF MERIT.

BASKET WORK.
Sullivan, M., Dunedin certificate

BRUSHWARE.
Harbutt, T. J., Auckland certificate

FOURTH ORDER OF MERIT.

FANCY WORK IN MOSS FERNS.

Johnston, W. G., Hokitika

certificate

Jury Section XV.—COTTON, FLAX, HEMP, CLOTHING, &c.

SECOND ORDER OF MERIT.

HOSIERY.

Mosgiel Woollen Factory Co. Limited, Dunedin

certificate

FIFTH ORDER OF MERIT.

LADIES' HATS.

Marriott, Mrs. T., Wellington

certificate

HATS.

Almao, V., Dunedin

certificate

LINEN FABRICS.

Potts, E., Dunedin

certificate

Sub-Jury.—BOOTS.

SECOND ORDER OF MERIT.

BESPOKE BOOTS.

Harris, W., Christchurch

certificate

Nicholls, W., and Sons, Christchurch

certificate

FACTORY BOOTS.

Lightband, Allan and Co., Christchurch

certificate

FOURTH ORDER OF MERIT.

BOOT UPPERS.

Munden, J., Dunedin

certificate

Jury Section XVI.—WORSTED AND WOOLLEN GOODS.

FIRST ORDER OF MERIT.

WORSTED AND WOOLLEN FABRICS.

Mosgiel Woollen Factory Co. Limited, Dunedin

gold

Jury Section XVIII.—WEAPONS, &c.

FIRST ORDER OF MERIT.

SKELETON OF PENGUIN.

Parker, Professor T. J., Otago

bronze

THIRD ORDER OF MERIT.

STUFFED FISH.

Invercargill Local Committee, Invercargill

certificate

HONOURABLE MENTION.

STUFFED FISH.

Burton, J. B., Wellington

certificate

STUFFED BIRDS.

Reischek, A., Auckland

certificate

Jury Section XIX.—PRODUCTS OF FORESTS.

FIRST ORDER OF MERIT.

KAURI TIMBER.

Hokianga Sawmill Co., Hokianga

silver

SECOND ORDER OF MERIT.

SPECIMENS OF TOTARA TIMBER.

Auckland Harbour Board, Auckland

certificate

TIMBERS SHOWING RESULTS OF
EXPERIMENTS FOR DETERMINING
STRENGTH.Colonial Museum of New Zealand,
Wellington

certificate

TIMBERS OF CANTERBURY AND
WESTLAND.von Haast, Professor Julius, Ph.D.,
F.R.S., Director of Canterbury
Museum, Canterbury

certificate

NATIVE ORNAMENTAL WOODS.

Halcombe, A. F., Wellington

certificate

PLANKS OF REMU AND OTHER
TIMBER.

Hornby, John, Picton

certificate

SPECIMENS OF KAURI TIMBER.

New Zealand Commissioners,
Wellington

certificate

THIRD ORDER OF MERIT.

NEW ZEALAND TIMBERS.

Guthrie, Robert, Dunedin

certificate

SPECIMENS OF KAURI TIMBER.

Holdship, G., Auckland

certificate

ORNAMENTAL TIMBERS FROM NEW
ZEALAND FORESTS.

Norrie, William, Auckland

certificate

SPECIMENS OF OTAGO TIMBERS.

Otago Museum, Dunedin

certificate

POLISHED PLANKS OF NEW ZEALAND
TIMBERS.

Smith, E. M., Taranaki

certificate

SPECIMEN OF TIMBER FROM
SOUTHLAND.

Tapper, Robert and A., Invercargill

certificate

FOURTH ORDER OF MERIT.

BOARD OF KAHIKATEA.

Bagnall Bros. and Co., Thames

certificate

SPECIMENS OF WOODS.

Blair, W. N., Dunedin

certificate

SLABS OF KAURI PINE.

Campbell, Dr. Logan, Auckland

certificate

SLAB OF MOTTLED SILVER PINE.

Cumming, Andrew, Hokitika

certificate

BLOCK OF TOTARA WOOD.

Denne, John George, Nelson

certificate

PLANK OF YELLOW PINE TIMBER.

Fletcher, John E., Pakawa

certificate

SPECIMENS OF NEW ZEALAND WOODS.

George, J. C., Taranaki

certificate

SPECIMENS OF TIMBER FROM
WESTLAND.

Hokitika Local Committee, Hokitika

certificate

SAMPLES OF BIRCH AND TOTARA.

Robertson, J. W., and Co.,
Queenstown, Otago

certificate

VENEERS OF COLONIAL WOODS.

Stone, Robert, Thames

certificate

NEW ZEALAND TIMBERS.

Wilding and Ball, Waipukurau,
Napier

certificate

FIFTH ORDER OF MERIT.

SECTION OF STUMP.

Beckenham, Rev. John, Nelson

certificate

KAURI TIMBER.

Isaacs, Edward, Auckland

certificate

TOTARA TIMBER KNOT.

McConnon, Walter, Hokitika

certificate

Jury Section XX.—AGRICULTURAL PRODUCTS, NOT USED FOR FOOD.

FIRST ORDER OF MERIT.

FLAX AND HEMP.

Canterbury Agricultural and Pastoral Association, Christchurch	(2)	Colonial Museum of New Zealand, Wellington	(2)
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THIRD ORDER OF MERIT.

FLAX AND HEMP.

Cameron, Hugh, Hokitika	certificate	Robertson, A., Nelson	certificate
Chinnery, Charles, Canterbury	certificate	Seed, James, Canterbury	certificate

FOURTH ORDER OF MERIT.

FLAX, HEMP, FIBRES.

Fulton, C., Blenheim	certificate
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Jury Section XXI.—WOOL.

FIRST ORDER OF MERIT.

SCoured WOOL, MERINO.

Young and Dalgety, Omarama	silver
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SCoured WOOL, LONG WOOL.

Williams, R. P., Mangaleuleu	silver
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SECOND ORDER OF MERIT.

MERINO WOOL, UNWASHED, EWES, ANY AGE.

Gollan, D., Mangataratu	certificate
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LONG WOOL, UNWASHED, RAMS.

Tanner, T., Riverslea	certificate
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THIRD ORDER OF MERIT.

LONG WOOL, UNWASHED, EWES, ANY AGE.

Blair, D. and W., Fernhill, Wanganui	certificate
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Jury Section XXIII.—LEATHER.

FIRST ORDER OF MERIT.

SALTED PELTS.

Crossley, H., and Co., Wellington	silver
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Sub-Jury.—FURS.

FIRST ORDER OF MERIT.

BIRD-SKIN SETS.

Liardet, Hector E., Wellington	silver
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Sub-Jury.—SADDLES, HARNESS, &c.

SECOND ORDER OF MERIT.

SADDLES.

Dunbar, Alexander, Christchurch	certificate
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Jury Section XXIV. and XXV.—AGRICULTURAL IMPLEMENTS.**FIRST ORDER OF MERIT.****DOUBLE-FURROW PLOUGH.**

Reid and Gray, Dunedin gold

REFRIGERATOR FOR BREWERIES.

Burt, A. and T., Dunedin silver

SINGLE-FURROW PLOUGH.

Duncan, P. and D., Christchurch gold

SECOND ORDER OF MERIT.**DOUBLE-FURROW PLOUGH.**

Duncan, P. and D., Christchurch certificate

PLANS FOR FARM BUILDINGS.

Walker, John, Thames certificate

THIRD ORDER OF MERIT.**REVOLVING BEEHIVE.**

Arnold, E., Wellington certificate

BAR-FRAMED BEEHIVE.

Bagnall Bros. and Co., Thames certificate

FIFTH ORDER OF MERIT.**CHURNS.**

Ellis, T., Wanganui

certificate

Jury Section XXVI.—MACHINES, MACHINE TOOLS.**FIRST ORDER OF MERIT.****BRASSWORK.**

Burt, A. and T., Dunedin gold

CORKING MACHINES.

Burt, A. and T., Dunedin silver

PUMPS AND WATER ENGINE.

Burt, A. and T., Dunedin silver

STEAM AND WATER FITTINGS.

Burt, A. and T., Dunedin silver

THIRD ORDER OF MERIT.**MODEL OF BEAM ENGINE.**

Crow, A., Dunedin certificate

MODEL OF PURCHASE-BLOCKS FOR**RAISING HEAVY WEIGHTS.**

Bush, H., Thames certificate

Jury Section XXVII.—CARRIAGES.**THIRD ORDER OF MERIT.****LANDAU.**

Robin, J., and Co., Dunedin

certificate

HONOURABLE MENTION.**CIRCULAR-FRONTED BROUGHAM.**

Moor, William, and Sons, Christchurch

certificate

Jury Section XXVIII.—RAILWAYS, MINING, AND METALLURGY.**FIRST ORDER OF MERIT.****ROCKS, MINERALS, AND FOSSILS.**Hector, James, M.D., C.M.G., F.R.S.,
Wellington silver**ETHNOLOGICAL EXHIBIT AND FOSSIL BIRDS.**von Haast, Prof. Julius, Ph.D., F.R.S.,
Canterbury

silver

LEAD PIPING.			COAL.	
Burt, A. and T., Dunedin	silver		Brunner Coal Co., Grey River	bronze
GOLD.			Coal Pit Heath Coal M. Co., Grey-mouth	bronze
Bank of New Zealand, Wellington	(2)		Kaitangata Coal Co., Otago	bronze
ORNAMENTAL IRONWORK.			Westport Colliery Co., Westport	bronze
Birley, P., Auckland	bronze		COKE.	
			Brunner Coal Co., Grey River	bronze

SECOND ORDER OF MERIT.

COAL.	
Bay of Islands Coal Co., Auckland	certificate

THIRD ORDER OF MERIT.

CHROME ORE, STEATITE.		ORES AND MINERALS.	
Hacket, T. R., Nelson	certificate	Johnston Bros., Nelson	certificate
CHALK OF GOOD QUALITY.		COAL.	
Ingram and White, Canterbury	certificate	M'Farlane, D., Jackson Bay	certificate

FOURTH ORDER OF MERIT.

CHROME ORE.		COAL.	
Irvine, Dr. F. W., Mangatapu, Nelson	certificate	M'Ilwraith, J. A., Canterbury	certificate
COPPER AND CHROME ORE.		GOLD.	
Roding River Copper Mine Co., Nelson	certificate	Colonial Museum of New Zealand, Wellington	certificate

HONOURABLE MENTION.

WHEELS MADE FROM TARANAKI SAND.	
Hon. Minister of Public Works, Wellington	certificate

Sub-Jury.—RAILWAY APPLIANCES.**SECOND ORDER OF MERIT.**

MODEL OF PATENT AERIAL RAILWAY.	
Alves, J., Dunedin	certificate

HONOURABLE MENTION.

GENERAL PLAN OF WIRE-ROPE RAILWAY.	
Reid and Duncan, Dunedin	certificate

Jury Section XXX.—NAVIGATION.**SECOND ORDER OF MERIT.**

CANVAS FOLDING BOAT.		LIFE-SAVING JACKET.	
Warburton, P. E., Palmerston	certificate	Forster, W., Christchurch	certificate
ROWLOCKS.		HALF MODELS OF YACHTS.	
Thomson, T., Bluff Harbour	certificate	Weymouth, J., Auckland	certificate

(2) Certificate equal to silver.

PLANS, MODELS, AND DRAWINGS OF
HARBOURS AND DOCKS.
Lyttelton Harbour Board, Christ-
church certificate

CANVAS.
Colonial Museum of New Zealand,
Wellington certificate

THIRD ORDER OF MERIT.

WORKING MODEL OF BOAT, WITH
PROPELLER.
M'Lennan, W., Dunedin certificate

MODEL OF MAORI CANOE.
Luxford, G. H., Wellington certificate

LIGHTHOUSE CHART.
Blackett, J., Wellington certificate

PLAN AND SOUNDINGS OF OTAGO
HARBOUR.
George, T., Dunedin certificate

PLAN AND SOUNDINGS OF WELLING-
TON HARBOUR.
Holliday, J., Wellington certificate

WAVE-POWER MACHINE.
Hargraves, T., Nelson certificate

SMALL LINES, TWINES, SASH-CORDS.
Bevan, T., jun., Foxton certificate

FOURTH ORDER OF MERIT.

NEW ZEALAND FLAX-MADE ROPE.
Seed, J., Christchurch certificate

Jury Section XXXI. and XXXII.—CEREALS, CONDIMENTS, AND STIMULANTS.

FIRST ORDER OF MERIT.

OATS.
Banks, E. H., Christchurch silver
Cunningham, P., and Co., Christchurch silver
Cunningham, P., and Co., Christchurch silver
Moore, A., and Co., Christchurch silver
M'Gill, P., Otago silver
Royse, Stead and Co., Christchurch silver
Sumpter, G., Oamaru silver

FEED OATS.
Royse, Stead and Co., Christchurch silver

HOPS.
Palmer, C. A., Waimea West, Nelson silver

MALT.
Marshall and Copeland, Dunedin silver
Royse, Stead and Co., Christchurch silver

BARLEY.
Moore, A., and Co., Christchurch silver
Royse, Stead and Co., Christchurch silver

PEARL BARLEY.
Banks, E. H., Christchurch silver

CALVES'-FOOT JELLY.
Gee, A., Christchurch silver

WHITE PEAS.
Banks, E. H., Christchurch bronze

PARTRIDGE PEA.
Cunningham, P., and Co., Christchurch bronze

BLUE PEA.
Cunningham, P., and Co., Christchurch bronze

HORSE BEANS.
Cunningham, P., and Co., Christchurch bronze
Banks, E. H., Christchurch bronze

RYE-GRASS SEED, NEW GRAIN.
Cleave, R., Invercargill bronze
Cunningham, P., and Co., Christchurch bronze
Preston, J., Otago bronze
Wilkin, R., and Co., Christchurch bronze

MEADOW FESCUE, NEW GRAIN.
Duncan and Son, Christchurch bronze

LINSEED.
Banks, E. H., Christchurch bronze

SEEDS.
Duncan and Son, Christchurch bronze

PURE PLANTATION COFFEE, GROUND.
Gregg and Co., Dunedin bronze

OATMEAL.
Moir, W., and Co., Christchurch bronze

TOMATO SAUCE.
Walker, J., Thames bronze

ARROWROOT.
Tilly, T. C., Auckland bronze

GROATS.		
M'Gill, P., Otago	bronze	
GROUND WHITE PEPPER.		
Gregg and Co., Dunedin	certificate	
GROUND MIXED SPICE.		
Trent Bros., Christchurch	certificate	

GROUND CASSIA.		
Strang, D., Invercargill	certificate	
GROUND BLACK PEPPER.		
Strang, D., Invercargill	certificate	

SECOND ORDER OF MERIT.

FLOUR.		
Butel, P., and Co., Otago	certificate	
Butel, P., and Co., Otago	certificate	
Metherell Bros., Havelock, Napier	certificate	
M'Gill, P., Otago	certificate	

OATS.		
Agricultural and Pastoral Association, Western District, Riverton, Southland	certificate	
Moore, A., and Co., Christchurch	certificate	
Royse, Stead and Co., Christchurch	certificate	

CHEESE MADE ON THE CHEDDAR SYSTEM.		
Goodwin, James, Canterbury	certificate	

HOPS.		
Harley, T., Nelson	certificate	

MALT.		
Cuddon, W., Christchurch	certificate	
Manning, S., and Co., Christchurch	certificate	
Ward and Co., Christchurch	certificate	

HORSE BEANS.		
King, G., and Co., Christchurch	certificate	

WHEAT, BUCK (GRAIN OF 1881).		
Banks, E. H., Christchurch	certificate	

RYE-GRASS SEED, NEW GRAIN.		
Banks, E. H., Christchurch	certificate	
Kelty, W., Southland	certificate	
Vile, J., Wellington	certificate	

COCKSFOOT.		
Wilkin, R., and Co., Christchurch	certificate	

BARLEY.		
Marshall and Copeland, Dunedin	certificate	

BLUE PEA.		
Banks, E. H., Christchurch	certificate	

OATS, BLACK.		
Banks, E. H., Christchurch	certificate	
Cunningham, P., and Co., Christchurch	certificate	
Royse, Stead and Co., Christchurch	certificate	

WHEAT.		
Moore, A., and Co., Christchurch	certificate	
M'Gill, P., Otago	certificate	
M'Gill, P., Otago	certificate	
Royse, Stead and Co., Christchurch	certificate	

GROUND BLACK PEPPER.		
Strang, D., Invercargill	certificate	
Trent Brothers, Christchurch	certificate	

GROUND WHITE PEPPER.		
Strang, D., Invercargill	certificate	
Trent Brothers, Christchurch	certificate	

GROUND MIXED SPICE.		
Strang, D., Invercargill	certificate	

PEARL BARLEY.		
Gray, Fleming and Co., Invercargill	certificate	

GROUND NUTMEG.		
Gregg and Co., Dunedin	certificate	

GROUND CARAWAYS.		
Gregg and Co., Dunedin	certificate	

GROUND CLOVES.		
Gregg and Co., Dunedin	certificate	

GROUND CASSIA.		
Gregg and Co., Dunedin	certificate	

FEED OATS.		
Banks, E. H., Christchurch	certificate	
Vile, J., Wellington	certificate	

BRAN, POLLARD, SEMOLINE.		
Wood, W. D., Christchurch	certificate	

OATMEAL.		
Irvine, W., and Co., Palmerston, Otago	certificate	

GROUND BLACK PEPPER.		
Gregg and Co., Dunedin	certificate	

GROUND CINNAMON.		
Trent Brothers, Christchurch	certificate	

THIRD ORDER OF MERIT.

COCKSFOOT-GRASS SEED.		
Duncan and Son, Christchurch	certificate	

BISCUITS.		
Bycroft and Co., Auckland	certificate	

BARLEY.		WHEAT.	
Paul, J. and E., Marlborough	certificate	Banks, E. H., Christchurch	certificate
Surman, T., and Co., Invercargill	certificate	Banks, E. H., Christchurch	certificate
—		Coe, J., Canterbury	certificate
MALT.		Cunningham, P., and Co., Christchurch	certificate
Cunningham, P., and Co., Christchurch	certificate	Cunningham, P., and Co., Christchurch	certificate
Cuddon, W., Christchurch	certificate	Dudley, C. T., Canterbury	certificate
—		Dwyer, M., Otago	certificate
OATS, FEED.		Holdaway, D. T., Nelson	certificate
Cunningham, P., and Co., Christchurch	certificate	FLOUR.	
—		Paunell, G., Christchurch	certificate
OATS, MILLING.		Vile, J., Wellington	certificate
Coe, J., Canterbury	certificate	GROUND GINGER.	
		Trent Brothers, Christchurch	certificate

FOURTH ORDER OF MERIT.

WHEAT.			
Banks, E. H., Christchurch	certificate	King, G., and Co., Christchurch	certificate
Coe, J., Canterbury	certificate	King, G., and Co., Christchurch	certificate
Cunningham, P., and Co., Christchurch	certificate	Kelty, W., Southland	certificate
Cunningham, P., and Co., Christchurch	certificate	Moore, A., and Co., Christchurch	certificate
Dudley, C. T., Canterbury	certificate	Moore, A., and Co., Christchurch	certificate
King, G., and Co., Christchurch	certificate	Moore, A., and Co., Christchurch	certificate
		Royse, Stead and Co., Christchurch	certificate
		Vile, J., Wellington	certificate

Jury Section XXXIII.—MEAT AND FISH.

FIRST ORDER OF MERIT.

HAMS AND BACON.

M'Connell Brothers, Christchurch bronze

SECOND ORDER OF MERIT.

BACON.

Eagle, James, Christchurch certificate

HAMS AND BACON.

M'Donald and Miller, Dunedin certificate

VARIOUS PRESERVED MEATS.

Mein, William Henry, Christchurch certificate

THIRD ORDER OF MERIT.

HAMS AND BACON.

Watkins, M'Nally and Co., Dunedin certificate

FOURTH ORDER OF MERIT.

HAMS.

Sheedy, Edward, Dunedin certificate

PRESERVED FISH.

Blake, C., and Sons, Picton certificate

MEAT AND SOUPS.

Gear, J., Wellington certificate

Jury Section XXXIV.—WINES.

FOURTH ORDER OF MERIT—CERTIFICATE.

Schwartz and Co.	..	Christchurch	..	Maucaville, No. 1	Vintage 1878
Smith, J.	..	Nelson..	..	Hock, A.	„ 1876

FIFTH ORDER OF MERIT—CERTIFICATE.

Schwartz and Co.	...	Christchurch	...	Burgundy, No. 1	Vintage 1876
Schwartz and Co.	...	"	...	Maucaville, No. 1	" 1877
Schwartz and Co.	...	"	...	"	" not given
Smith, J.	...	Nelson	...	Hock, B	" 1876
Soler, Jos.	...	Wanganui	...	Manganhero	" not given
Soler, Jos.	...	"	...	Constantine	" "

Jury Section XXXIVc.—CORDIALS AND LIQUEURS.

FIRST ORDER OF MERIT.

CURACOA.			CLOVES.	
Lane, W., and Co., Dunedin	silver		Moffett, W. J., Invercargill	bronze
PEPPERMINT.			GINGER WINE.	
Feraud, J. D., The Clyde	bronze		Thomson and Co., Dunedin	bronze
RASPBERRY.			GINGER BRANDY.	
Feraud, J. D., The Clyde	bronze		Moffett, W. J., Invercargill	bronze
Thomson and Co., Dunedin	bronze			

SECOND ORDER OF MERIT.

MARASCHINO.			GINGER WINE.	
Lane, W., and Co., Dunedin	certificate		Feraud, J. D., Clyde	certificate
			Lane, W., and Co., Dunedin	certificate
			Moffett, W. J., Invercargill	certificate
ANISETTE.			GINGER, LIQUEUR.	
Feraud, J. D., The Clyde	certificate		Lane, W., and Co., Dunedin	certificate
RASPBERRY.			CHERRY BRANDY.	
Gomez, J., Bulls	certificate		Moffett, W. J., Invercargill	certificate
Lane, W., and Co., Dunedin	certificate		Thomson and Co., Dunedin	certificate
Moffett, W. J., Invercargill	certificate			
RASPBERRY, BALM.			BITTERS.	
Thomson and Co., Dunedin	certificate		Lane, W., and Co., Dunedin	certificate
			Moffett, W. J., Invercargill	certificate
			Moffett, W. J., Invercargill	certificate
			Thomson and Co., Dunedin	certificate
CLOVES.			SODA-WATER.	
Feraud, J. D., Clyde	certificate		Gomez, J., Bulls	certificate
Wakatip Co., Queenstown	certificate			

Jury Section XXXV.—BEERS.

FIRST ORDER OF MERIT.

BEER, IN BULK.			BOTTLED PORTER.	
Franks, F., Temuka	silver		Hargan and Co., Dunedin	bronze
Speight, James, and Co., Dunedin	silver			
Ward and Co., Christchurch	silver			
PORTER, IN BULK.			EAST INDIA PALE ALES, BOTTLED.	
Vincent and Co., Christchurch	silver		Manning, S., and Co., Christchurch	bronze

SECOND ORDER OF MERIT.

BEER, IN BULK.		BROWN ALES, BOTTLED.	
Cochran, E. W., Dunedin	certificate	Hargan and Co., Dunedin	certificate
Pascoe and Co., Wellington	certificate		
Speight, James, and Co., Dunedin	certificate	OTAGO ALES, BROWN ALE, BOTTLED.	
PORTER, IN BULK.		Thomson and Co., Oamaru	certificate
Ehrenfried Brothers, Thames	certificate	OLD STRONG ALE, BOTTLED.	
BOTTLED PORTER.		Walker and M'Taggart, Palmerston	certificate
Ehrenfried Brothers, Thames	certificate		
Manning, S., and Co., Christchurch	certificate		

THIRD ORDER OF MERIT.

BEST ALE, BOTTLED.		EXPORT ALE, BOTTLED.	
Cochran, E. W., Dunedin	certificate	Crowe and Co., Christchurch	certificate
		Ehrenfried Brothers, Thames	certificate
BEER, IN BULK.		PALE ALE, BOTTLED.	
Strachan, W., Dunedin	certificate	Strachan, W., Dunedin	certificate

FOURTH ORDER OF MERIT.

BEER, IN BULK.	
Manning, S., and Co., Christchurch	certificate

Jury Section XXXVI.—CONSERVATORIES.

FIRST ORDER OF MERIT.

NEW ZEALAND TREE AND SMALLER FERNS AND PALMS.		DRIED NEW ZEALAND FERNS.	
James Dall, Nelson	bronze	Armstrong, C. C., Mrs., Dunedin	certificate
		Helms, R., Greymouth	certificate
NEW ZEALAND FERNS, IN WARDIAN CASES AND HANGING BASKETS.		NEW ZEALAND FERNS.	
James Dall, Nelson	bronze	Craig, E., Auckland	certificate
		Green, A. G., Westport	certificate
WILD FLOWERS, PAINTED FROM NATURE.		Jeffs, C. K., Wellington	certificate
Harris, E. C., Miss, Nelson	bronze	FOREST SEEDS AND CONES.	
Tizard, E. F., Thames	bronze	Potts, T. H., Christchurch	certificate

SECOND ORDER OF MERIT.

NEW ZEALAND FERNS.		NEW ZEALAND FERNS, PAINTED FROM NATURE.	
Logan, H. F., Wellington	certificate	Nutt, Miss, Dunedin	certificate
Stewart, P., Wellington	certificate		
Thomson, J., Dunedin	certificate		

THIRD ORDER OF MERIT.

DRIED FERNS.		NEW ZEALAND FERNS.	
Tizard, E. F., Thames	certificate	Hardy, C. A., Canterbury	certificate
BLEACHED NEW ZEALAND FERNS.			
Spence, C., Dunedin	certificate	WILD FLOWERS, PAINTED FROM NATURE.	
COLONIAL FERNS.		King, Miss, Canterbury	certificate
Regan, J., Thames	certificate		

Jury Section XXXVII.—WEAVING, SEWING, PRINTING MACHINES, &c.

THIRD ORDER OF MERIT.

HALF STUFF AND PAPIER-MACHE.

Puschel, Jauncy and Co., Christchurch certificate

FIFTH ORDER OF MERIT.

HALF STUFF.

Stansell, J. B., Christchurch certificate

LADIES' JURY.

FIRST ORDER OF MERIT.

LACE.

Wilson, Miss A., Dunedin

certificate

PAINTINGS ON SILK.

Brandon, Misses, Wellington

certificate

SECOND ORDER OF MERIT.

SPECIMENS OF NEEDLEWORK FROM NEW ZEALAND FLAX.

M'Tavish, Miss, Thames

certificate

THIRD ORDER OF MERIT.

LACEWORK.

Logan, Jessie R., Dunedin

certificate

ORNAMENTAL NEEDLEWORK ON GIPSY TABLES.

Lawson, Mrs. H., Wellington

certificate

FOURTH ORDER OF MERIT.

POINT LACE.

Jones, M. F. E., Nelson

certificate

HONOURABLE MENTION.

SEAWEED DEVICES.

Thompson, Mrs., Napier

certificate

BONNETS AND HATS MADE FROM VEGETABLE FIBRE.

Marriott, Mrs. T., Wellington

certificate

QUEENSLAND.

Jury Section I.—FINE ARTS.

THIRD ORDER OF MERIT.

STEEL ENGRAVINGS AND ETCHINGS.
Clarke, J. A., Brisbane certificate

ENGRAVED AND LITHOGRAPHED
MAPS.
Department of Mines, Brisbane certificate
Fox, H. W., Survey Office, Brisbane certificate

PHOTO-LITHO AND PHOTO-ZINCO-
GRAPH REPRODUCTIONS.
Department of Mines, Brisbane certificate

GEOLOGICAL MAP.
Department of Mines, Brisbane certificate

FOURTH ORDER OF MERIT.

ILLUMINATION.
Fox, H. W., Brisbane certificate

Jury Section III.—EDUCATION.

SECOND ORDER OF MERIT.

SCHOOL APPLIANCES.
Department of Public Instruction,
Brisbane certificate

MAPS.
Department of Mines, Brisbane certificate

SCHOOLS OF DESIGN.
School of Design (Normal), Bris-
bane certificate

THIRD ORDER OF MERIT.

MAPS.
Fox, H. W., Survey Office, Brisbane certificate

FOURTH ORDER OF MERIT.

SCHOOL APPLIANCES.
Hurworth, C., Fortitude Valley certificate

Jury Section IV.—PRINTING, BOOKS, STATIONERY, &c.

SECOND ORDER OF MERIT.

ACCOUNT-BOOKS.
Beale, J. C., Brisbane certificate

BOOKBINDING.
Beale, J. C., Brisbane certificate

FOURTH ORDER OF MERIT.

PUBLICATIONS.
Thorne, W., Brisbane certificate

Jury Section V.—PHOTOGRAPHIC PROOFS AND APPARATUS.

THIRD ORDER OF MERIT.

PORTRAITS TAKEN DIRECT.

Bennet, W. T., Brisbane certificate

Jury Section VIII.—CLOCKS AND WATCHES.

FIFTH ORDER OF MERIT.

SPECTACLES AND EYE-LENSES.

Weaber, H., Brisbane certificate

Jury Section IX.—FURNITURE AND ACCESSORIES.

FIRST ORDER OF MERIT.

JEWEL-CASE, CABINET, DRAWERS, AND BOOK-CASE.

Tholme, P., Brisbane silver

THIRD ORDER OF MERIT.

SIDEBOARD.

Queensland Government, Brisbane certificate

FOURTH ORDER OF MERIT.

INLAID DESK AND TABLE.

Bowden, W., St. Helena certificate

INLAID DESK AND CABINET.

Kasch, J., Rockhampton certificate

DRESSING-TABLE & LOOKING-GLASS.

Petrie, J., Brisbane certificate

Jury Section XIII. & XXII.—CHEMICAL & PHARMACEUTICAL PRODUCTS.

FIRST ORDER OF MERIT.

INDIGENOUS MEDICINAL BARKS AND PREPARATIONS.

Staiger, K. T., F.L.S., Brisbane bronze

THIRD ORDER OF MERIT.

DUGONG OIL.

Berkley, Taylor and Co., Brisbane certificate
Stiller and Co., Moreton Bay certificate

MEDICINAL AND OTHER ROOTS.

Botanic Gardens, Brisbane certificate

HONOURABLE MENTION.

MANGROVE BARK.

Gordon, J., Townsville certificate

CHROME COLOURS MADE FROM QUEENSLAND ORES.

Staiger, K. T., F.L.S., Brisbane certificate

COMPOUND EXTRACT OF EUCALYPTUS.

Clarke, D., Warwick certificate

Jury Section XIV.—LEATHERWORK AND FANCY ARTICLES.**THIRD ORDER OF MERIT.****FANCY FLOWERS IN CREPE.**

De Jersey, Madame, Brisbane certificate

FOURTH ORDER OF MERIT.**PORTMANTEAUS AND TRUNKS.**

Lade, N., Brisbane certificate

Jury Section XV.—COTTON, FLAX, HEMP, CLOTHING, &c.**Sub-Jury.—BOOTS.****FOURTH ORDER OF MERIT.****BOOTS.**

Shields, M., Gympie

certificate

BOOTS AND CLOTHING.M'Donald, J. (St. Helena Penal
Establishment), St. Helena

certificate

Jury Section XVI.—WORSTED AND WOOLLEN GOODS.**FOURTH ORDER OF MERIT.****WORSTED AND WOOLLEN FABRICS.**Queensland Wool Manufacturing Co. Limited,
Ipswich

certificate

Jury Section XVIII.—WEAPONS, &c.**FIRST ORDER OF MERIT.****INSECTS.**

Diggles, S., Brisbane

bronze

NATURAL HISTORY COLLECTION.

Trustees of Museum, Brisbane

(3)

SECOND ORDER OF MERIT.**STUFFED BIRDS.**

Alder, A., Brisbane

certificate

INSECTS.

Hartmann, C. H., Toowoomba

certificate

THIRD ORDER OF MERIT.**STUFFED BIRDS.**Rockhampton Committee, Rock-
hampton

certificate

CORAL.

Heron, Mrs., Bowen

certificate

INSECTS.

Pilcher, G. L., Rockhampton

certificate

HONOURABLE MENTION.**STUFFED BIRDS.**

Coxen, Mrs., Brisbane

certificate

Gulliver, T. A., Thornborough

certificate

NATIVE WEAPONS.

Boyd, A. J., Brisbane

certificate

Palmer, Sir Arthur, Brisbane

certificate

SHELLS.

Queensland Government, Brisbane

certificate

Rainbird, J., Bowen

certificate

MUMMIES.

Palmer, Sir Arthur, Brisbane

certificate

Sachs, F. L., Brisbane

certificate

(3) Certificate equal to bronze.

Jury Section XIX.—PRODUCTS OF FORESTS.

FIRST ORDER OF MERIT.

QUEENSLAND TIMBER.		INDIGENOUS TIMBERS.
Botanic Gardens, Brisbane	(2)	Rockhampton Committee, Rockhampton (2)

SECOND ORDER OF MERIT.

TROPHY OF WOOD PANELS.		WOODS, TIMBERS.
Carey, J. W., Brisbane	certificate	Queensland Government, Brisbane certificate

THIRD ORDER OF MERIT.

STRAINS OF TIMBER.		INDIGENOUS WOODS.
Byerly, F. T., Rockhampton	certificate	Spence, D., Cairns certificate
CEDAR BOARD AND YELLOW WOOD.		TROPHY OF TURNERY TO SHOW INLAID WOODS.
Petrie, J., Brisbane	certificate	Sturgess, H., Rockhampton certificate

FOURTH ORDER OF MERIT.

NATIVE WOODS.		TIMBERS.
Cooke, W. D., Westwood	certificate	Macpherson, A., Brisbane certificate
PLANT, BUNYA-BUNYA TREE.		TIMBERS, POLISHED.
Chubb, C. F., Ipswich	certificate	Queensland Commissioners, Brisbane certificate

FIFTH ORDER OF MERIT.

RINGED GIDEAH.
Sachs, F. L., Townsville certificate

Jury Section XX.—AGRICULTURAL PRODUCTS, NOT USED FOR FOOD.

FIRST ORDER OF MERIT.

LEAF TOBACCOS.		GRASSES FOR FODDER.
Botanic Gardens, Brisbane	(2)	Macpherson, A., Brisbane bronze
FLAX AND HEMP.		Turner, F., Brisbane bronze
Macpherson, A., Brisbane	silver	

SECOND ORDER OF MERIT.

LEAF TOBACCOS.		
Courten, G. C., Rockhampton	certificate	Jones, A., Rockhampton
Hocker, J. H., Brisbane	certificate	certificate

THIRD ORDER OF MERIT.

FLAX AND HEMP.		GRASSES FOR FODDER.
Botanic Gardens, Brisbane	certificate	Way, E., Toowoomba certificate

FOURTH ORDER OF MERIT.

COTTON.		GUM, RESIN, AND WAX.
Botanic Gardens, Brisbane	certificate	Botanic Gardens, Brisbane certificate
Cribb and Foote, Ipswich	certificate	

(2) Certificate equal to silver.

FIFTH ORDER OF MERIT.

FLAX AND HEMP.	
Eaves, J. H., Brisbane	certificate
Wickham, A., Tower Herbert	certificate
Wyatt, A., Brisbane	
certificate	

Jury Section XXI.—WOOL.**SECOND ORDER OF MERIT.**

WOOL, MERINO, HOGGETS, WASHED.	
Fairbairn, G., Lansdowne	certificate
Fairbairn, G., Lansdowne	certificate
WOOL, MERINO, EWES.	
Macansh, J. D., Canning Downs	certificate

Jury Section XXIII.—LEATHER AND SKINS.**Sub-Jury.—SADDLES, HARNESS, &c.****THIRD ORDER OF MERIT.****STOCKWHIPS.**

Johnston, W., Ipswich	certificate
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HONOURABLE MENTION.**SADDLES AND HARNESS.**

Government Penal Establishment	certificate
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Jury Section XXIV. and XXV.—AGRICULTURAL IMPLEMENTS.**FIFTH ORDER OF MERIT.****MODEL OF A GATE.**

Fitzallan, E. B., Bowen	certificate
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Jury Section XXVII.—CARRIAGES.**HONOURABLE MENTION.****WHITECHAPEL CART.**

Queensland Government, Brisbane	certificate
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Jury Section XXVIII.—RAILWAYS, MINING, AND METALLURGY.**FIRST ORDER OF MERIT.**

MINERAL FOSSILS.	
Queensland Museum, Trustees of	(2)
CINNABAR AND QUICKSILVER.	
Eldred, Capt., Wide Bay	silver
FOSSILS, ILLUSTRATIVE OF THE GEOLOGY OF NORTH QUEENSLAND.	
Jack, R. J., F.R.G.S., Townsville	(2)
COPPER.	
Christo, D., Mount Perry	bronze
Queensland Commissioners, Brisbane	(3)

(2) Certificate equal to silver.

(3) Certificate equal to bronze.

SECOND ORDER OF MERIT.

MINERALS.		ROCKS.	
Queensland Government, Brisbane	certificate	Hodgkinson, W. O., Warden, Etheridge River	certificate
TIN ORES AND ASSOCIATED GEMS.		COAL.	
Tyrel, J. de Poix, M.L.A., Stan- thorpe	certificate	Whitely, W., Maryborough	certificate
REEFS AND ROCKS OF THE DISTRICT.		EXHIBIT FROM VARIOUS MINES.	
Selheim, P. F., Warden, Palmer River	certificate	Gregory, A. C., C.M.G., Brisbane	certificate

THIRD ORDER OF MERIT.

COPPER ORES.		AURIFEROUS METALLIC ORES.	
Bennett, Capt., Mount Perry	certificate	Miller, H. C., Port Darwin	certificate
TIN ORES.		MANGANESE ORES (PSILOMETANE).	
Clarke, E. S., Cairns	certificate	Friend, H., jun., Gladstone	certificate

FOURTH ORDER OF MERIT.

GOLD.		COPPER ORE.	
Couldery, W. H., Gympie	certificate	Henry, Ernest, Cloncurry	certificate
London Extended Claim Properties, Gympie	certificate	New Keelbottom Copper Mining Co., Townsville	certificate
Morgan Bros., Charters Towers	certificate	Sheaffe, R. F., M.L.A., Cloncurry	certificate
Nicholls Leasehold Properties, Gympie	certificate	OPALS IN MATRIX.	
No. 5 South Lady Mary G. M. Co., Gympie	certificate	Powell, F. A., and Cameron, Duncan, Wilson's River	certificate
Pearin, J., Brisbane	certificate	ANTIMONY ORE.	
Selheim, P. F., Palmer River	certificate	Critchley, R., Gympie	certificate

HONOURABLE MENTION.

PEWTER AND BLOCK TINWARE.

M'Donald, J., St. Helena	certificate
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Sub-Jury.—RAILWAY APPLIANCES.

SECOND ORDER OF MERIT.

PHOTOS OF RAILWAY CONSTRUCTION.

Stanley, H. C., Brisbane	certificate
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Jury Section XXX.—NAVIGATION.

SECOND ORDER OF MERIT

HALF MODELS OF VESSELS.

Norris, C. S., Townsville	certificate
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Jury Section XXXI. and XXXII.—CEREALS, CONDIMENTS, AND STIMULANTS.

FIRST ORDER OF MERIT.

SUGARS, COUNTER.		MAIZE, NINETY DAYS' (GRAIN 1881)	
Watt, A., Beenleigh	silver	Cribb, J. B., Gatton	bronze
OPEN-PAN SUGARS, FINE COUNTERS.		Horwitz, J., and Co., Warwick	bronze
Cowley, E., Herbert River	silver	O'Leary, A., Warwick	bronze
Hewitt and Co., Pleystowe	silver	Robson, R. F., Laidley	bronze
Watt, A., Beenleigh	silver	ROUGH RICE AND PADDY RICE, GROWING.	
OPEN-PAN SUGARS, MEDIUM COUNTERS.		Macpherson, A., Brisbane	bronze
M'Donald, J., St. Helena	silver	Oxenford, W. R., Coomera	bronze
Queensland National Bank, Otmoor	silver	Wagner, Mrs., New Farm	bronze
Watt, A., Beenleigh	silver	MAIZE MEAL.	
ARROWROOT.		Horwitz, J., and Co., Warwick	bronze
Castles, W., Pimpama	silver	Kates, F., Allora	bronze
FLOUR.		Pettigrew, Hon. W., Brisbane	bronze
Kates, F., Allora	silver	LINSEED.	
BARLEY (GRAIN 1881).		Oxenford, W. R., Coomera	bronze
Faulkner, R., Mount Irving, Darling Downs	silver	Tulloch, W., Warwick	bronze
OATS, SHORT (GRAIN 1881).		RICE STARCH.	
Faulkner, R., Mount Irving, Darling Downs	silver	Baker, T., Maryborough	bronze
PADDY RICE.		ROUGH RICE AND PADDY RICE STARCH.	
Queensland Commissioners, Brisbane	(3)	Botanic Gardens, Brisbane	(3)

SECOND ORDER OF MERIT.

VACUUM-PAN SUGAR, FINEST WHITES.		ARROWROOT.	
Sloane, W., and Co., Tekowai Plan- tations, Mackay	certificate	Atherton, J., Rockhampton	certificate
OPEN-PAN SUGAR, FINE COUNTERS.		Baker, T., Maryborough	certificate
Davey and Gooding, Beenleigh	certificate	Botanic Gardens, Brisbane	certificate
Hewitt and Co., Pleystowe	certificate	Castles, W., Pimpama	certificate
Muir, R., Benowa	certificate	Lahey and Sons, Pimpama	certificate
OPEN-PAN SUGAR, MEDIUM COUNTERS.		BUCKWHEAT (GRAIN 1881).	
Watt, A., Beenleigh	certificate	Faulkner, R., Mount Irving, Darling Downs	certificate
WHITE SUGAR, FINEST WHITE.		LINSEED.	
Tooth and Cran, Yengarie Estate, Yengarie	certificate	Oxenford, W. R., Coomera	certificate
MAIZE, NINETY DAYS' (GRAIN 1881).		FRUITS PRESERVED IN SYRUP.	
O'Leary, A., Warwick	certificate	Anderson, R., Brisbane	certificate
		Skinner, B., Brisbane	certificate
		WHEAT STARCH.	
		Baker, T., Maryborough	certificate

THIRD ORDER OF MERIT.

FINEST WHITE VACUUM-PAN SUGAR.		OPEN-PAN SUGAR, FINE COUNTERS.	
Cready, H. M., Tekowai, Mackay	certificate	Hyne, W., and Co., Balmoral	certificate

(3) Certificate equal to bronze.

OPEN-PAN SUGAR, MEDIUM COUNTERS.		WHEAT (GRAIN 1881).	
Holland, Miskin and Co., Bundall Plantation	certificate	Irving, J. H., Roma	certificate
		Wilson, J. F., Swan Creek	certificate
		ARROWROOT.	
		Grimes, G. and S., Brisbane	certificate

FOURTH ORDER OF MERIT.

WHEAT (GRAIN 1881).	
Levier, T., Cattle Creek	certificate

HONOURABLE MENTION.

VARIOUS KINDS OF WHEAT IN EAR.	
Way, Edward, Botanic Gardens, Toowoomba	certificate

Jury Section XXXIII.—MEAT AND FISH.

THIRD ORDER OF MERIT.

TURTLE SOUP.		PRESERVED TONGUE, JELLY, CHICKEN, AND HAM.	
Skinner, B., Brisbane	certificate	Skinner, B., Brisbane	certificate

Jury Section XXXIVa.—SPIRITS.

SECOND ORDER OF MERIT.

RUM, IN BULK (DARK).	
Raff, G., Brisbane	certificate

THIRD ORDER OF MERIT.

RUM, IN BULK (DARK).		GENEVA, IN CASE.	
Yearwood, R. B., Mackay	certificate	Couldery, W. H., Beenleigh	certificate

FOURTH ORDER OF MERIT.

RUM, IN BULK (DARK).	
Sloane, W., and Co., Tekowai Plantations, Mackay	certificate

FIFTH ORDER OF MERIT.

RUM, IN BULK (DARK).		RUM, IN BULK.	
Couldery, W. H., Beenleigh	certificate	Yearwood, R. B., Mackay	certificate
Hewitt and Co., Mackay	certificate	RUM, IN BOTTLE.	
		Hewitt and Co., Mackay	certificate

Jury Section XXXIVc.—CORDIALS AND LIQUEURS.

FIRST ORDER OF MERIT.

MINERAL WATERS.	
Larard, R.	bronze

Jury Section XXXVI.—HORTICULTURE, CONSERVATORIES.**FIRST ORDER OF MERIT.**

INDIGENOUS GRASS SEEDS (91 VARIETIES), MILLET AND JUTE SEEDS.

Macpherson, A., Brisbane bronze

MACROZAMIAS AND STAG-HORN
FERNs.

Queensland Commissioners, Brisbane (3)

ILLUSTRATIONS OF QUEENSLAND
BOTANY (6 VOLS.).

Bailey, F. M., F.L.S., Brisbane bronze

DRIED DUBOISINE LEAVES.

Staiger, K. T., Brisbane certificate

SECOND ORDER OF MERIT.QUEENSLAND GRASS SEEDS
(60 VARIETIES).

Shann, William, Brisbane certificate

INDIGENOUS GRASS SEEDS
(70 VARIETIES).

Turner, F., Brisbane certificate

GRASS SEEDS (55 VARIETIES).

Way, E., Toowoomba certificate

THREE PANDANNIS.

Botanic Gardens, Brisbane certificate

THIRD ORDER OF MERIT.

FLAX AND LUCERNE SEEDS.

Oxenford, W. R., Coomera certificate

LUCERNE SEEDS.

Tulloch, W., Warwick certificate

ORCHIDS.

Fitzallen, E., Bowen certificate

FOURTH ORDER OF MERIT.

BOX CONSTRUCTED OF SEEDS AND SEED CONES.

Hartmann, C. H., Toowoomba certificate

LADIES' JURY.**SECOND ORDER OF MERIT.**

EMBROIDERY ON SILK AND SATIN.

Gair, Mrs. certificate

FOURTH ORDER OF MERIT.

PAINTING ON SATIN.

Baker, Miss certificate

HONOURABLE MENTION.

BONNET MADE FROM VEGETABLE FIBRE.

Dougherty, Mrs. certificate

(3) Certificate equal to bronze.

SOUTH AUSTRALIA.

Jury Section I.—FINE ARTS.

THIRD ORDER OF MERIT.

PHOTO-LITHO, PHOTO-ZINCOGRAPHIC
REPRODUCTIONS OF MANUSCRIPT.

Goyder, G. W., Surveyor-General,
Adelaide certificate

FLOWER-PAINTING, IN OILS.

Hambridge, Miss H., Kensington certificate

FOURTH ORDER OF MERIT.

PEN-AND-INK SKETCHES.

Bonney, A. E., Adelaide certificate

ARCHITECTURAL DRAWINGS.

M'Minn, Wm., Adelaide certificate

Jury Section II.—SCULPTURE, BRONZES, &c.

FOURTH ORDER OF MERIT.

SCULPTURE.

Bagalini, A, Kapunda certificate

Jury Section III.—EDUCATION.

SECOND ORDER OF MERIT.

MAPS.

Goyder, G. W., Surveyor-General, Adelaide certificate

Jury Section IV.—PRINTING, BOOKS, STATIONERY, &c.

FIRST ORDER OF MERIT.

ACCOUNT-BOOKS.

Williams, James, Adelaide silver

SECOND ORDER OF MERIT.

BOOKBINDING.

Williams, James, Adelaide certificate

LITHOGRAPHIC PROOFS.

Williams, James, Adelaide certificate

THIRD ORDER OF MERIT.

ACCOUNT-BOOKS.

Spiller, E., Adelaide certificate

PUBLICATIONS.

Schomburgk, R., Adelaide certificate

BOOKBINDING.

Spiller, E., Adelaide certificate

PRINTING INK, BLACK.

Braddock and Sons, Adelaide certificate

FOURTH ORDER OF MERIT.

PRINTING.		PUBLICATIONS.	
Spiller, E., Adelaide	certificate	Commissioners for South Australia, Adelaide	certificate
		Twopeny, R. E. N., Adelaide	certificate

Jury Section V.—PHOTOGRAPHIC PROOFS AND APPARATUS.

SECOND ORDER OF MERIT.

COLOURED AND TINTED PHOTOS.

Hambridge, Miss H., Kensington	certificate
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THIRD ORDER OF MERIT.

PORTRAITS TAKEN DIRECT.

Niesche, C. F., Adelaide	certificate
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Jury Section IX.—FURNITURE AND ACCESSORIES.

THIRD ORDER OF MERIT.

INLAID TABLE.		TABLE, DRAWERS, AND WARDROBE.	
Brice, R., Adelaide	certificate	Gay, P., Adelaide	certificate

FOURTH ORDER OF MERIT.

DAVENPORT.		FRAMES AND BRACKETS.	
Buttery Bros., Adelaide	certificate	Glassford, Miss A., Semaphore	certificate
BEDSTEADS, COAL HODS, JAPANNED WARE.			
Simpson, A., Adelaide	certificate		

Jury Section X.—GLASS AND POTTERY.

FOURTH ORDER OF MERIT.

STONEWARE.

South Australian Brick Co., Brompton	certificate
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Jury Section XI.—JEWELLERY AND SILVERSMITHS' WORK.

GOLDSMITHS' AND SILVERSMITHS' WORK.		GOLD AND SILVER JEWELLERY.	
Steiner, H., Adelaide	silver	Steiner, H., Adelaide	silver

SECOND ORDER OF MERIT.

GOLDSMITHS' AND SILVERSMITHS' WORK.		GOLD AND SILVER JEWELLERY.	
Wendt, J. M., Adelaide	certificate	Wendt, J. M., Adelaide	certificate

THIRD ORDER OF MERIT.

ELECTRO, SILVER, AND NICKEL PLATING.

Dobbie, A. and J., Adelaide	certificate
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Jury Section XII.—CIVIL ENGINEERING, PUBLIC WORKS.

FIRST ORDER OF MERIT.

STONE FLAGGING.

Priest, Thompson, Mintaro bronze

SECOND ORDER OF MERIT.

LIME.

Gawler and Willaston Lime Co.,
Gawler certificate

GYPSUM AND PLASTER-OF-PARIS.

Tocchi, Augustus, Yorketown certificate

THIRD ORDER OF MERIT.

SLATES.

Allen, John, Delabole certificate

MARBLE MANTELPIECES.

Herring, E. H., Adelaide certificate

HONOURABLE MENTION.

BUILDING STONES.

Commissioners for South Australia,
Adelaide certificate
Frew, J., Mount Gambier certificate

PLASTER-OF-PARIS.

Vernon, C., Adelaide certificate

GYPSUM.

Crozier, J., Adelaide certificate

MODEL VENTILATOR.

Brown, O., Adelaide certificate

Jury Section XIII. and XXII.—CHEMICAL AND PHARMACEUTICAL PRODUCTS.

FIRST ORDER OF MERIT.

MIMOSA BARK.

Pflaum, F., and Co., Blumberg bronze

EUCALYPTUS OILS.

Nitschke, W., Hackney bronze

SECOND ORDER OF MERIT.

CANDLES AND SOAP.

Tidmarsh, J., Adelaide certificate

WATTLE BARK.

Cornish, J., and Co., Gorge certificate

SOAPS.

Burford, W. H., and Sons, Adelaide certificate

Peacock, W., and Sons, Adelaide certificate

Wilke, H., and Co., Port Adelaide certificate

Jury Section XIV.—LEATHERWORK AND FANCY ARTICLES.

SECOND ORDER OF MERIT.

BASKET AND STRAW WORK.

Tannert, O. E., Adelaide certificate

FOURTH ORDER OF MERIT.

PORTMANTEAUS AND TRUNKS.

Polhill, B., Adelaide certificate

FIFTH ORDER OF MERIT.

FANCY GOODS.

Bennett, R. H., Morgan certificate

Jury Section XV.—COTTON, FLAX, HEMP, CLOTHING, &c.**Sub-Jury.—BOOTS.****THIRD ORDER OF MERIT.**

FACTORY BOOTS.		BOOT UPPERS.	
Wills, G. R., and Co., Adelaide	certificate	Green, J. J., Adelaide	certificate

Jury Section XVIII.—WEAPONS, &c.**SECOND ORDER OF MERIT.****EXHIBIT OF NATURAL HISTORY.**

South Australian Institute, Adelaide	certificate
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HONOURABLE MENTION.**STUFFED BIRDS.**

Bean Bros., Adelaide	certificate
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Jury Section XIX.—PRODUCTS OF FORESTS.**SECOND ORDER OF MERIT.****SAMPLES OF TIMBER.**

Brown, J. E., Conservator of Forests, Adelaide	certificate
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THIRD ORDER OF MERIT.**SPECIMENS OF SOUTH AUSTRALIAN TIMBER.**

Schomburgk, R., Director Botanic Gardens, Adelaide	certificate
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FOURTH ORDER OF MERIT.**MYALL AND SANDALWOOD.**

Davenport, S., Beaumont	certificate
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FIFTH ORDER OF MERIT.**CORKWOOD SPECIMEN.**

Hardy, A., M.P., Mount Lofty	certificate
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Jury Section XX.—AGRICULTURAL PRODUCTS, NOT USED FOR FOOD.**FIRST ORDER OF MERIT.****OILS.**

Goyder, G., jun., Adelaide	silver
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SECOND ORDER OF MERIT.**OILS.**

Hardy, T., Adelaide	certificate	Holtze, M., Palmerston	certificate
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THIRD ORDER OF MERIT.**SILK COCOONS.**

Chamber of Manufactures, Adelaide certificate

FOURTH ORDER OF MERIT.**FLAX AND HEMP.**

Chamber of Manufactures, Adelaide certificate

FIFTH ORDER OF MERIT.**FLAX, HEMP, AND FIBRES.**

Holtze, M., Palmerston certificate

Jury Section XXI.—WOOL.**FIRST ORDER OF MERIT.**

MERINO WOOL, UNWASHED, EWES, ANY AGE.	MERINO WOOL, UNWASHED, RAMS.
Pitts, E. W., The Levels, Dry Creek silver	Pitts, E. W., The Levels, Dry Creek silver
MERINO WOOL, UNWASHED, EWES, 2-TOOTH.	EXTRA AND SPECIAL EXHIBIT OF WOOL.
Pitts, E. W., The Levels, Dry Creek silver	Hawker, G. C., Bungaree silver
	WOOL MATS.
	Schlork, F. H., and Co., Adelaide silver

SECOND ORDER OF MERIT.

MERINO WOOL, UNWASHED, EWES, ANY AGE.	WOOL, DYED.
Sanders, James and Co., Canowie certificate	Schlork, F. H., and Co., Adelaide certificate

THIRD ORDER OF MERIT.

MERINO WOOL, UNWASHED, EWES, 2-TOOTH.	MERINO WOOL, UNWASHED, RAMS.
Sanders, James and Co., Canowie certificate	Sanders, James and Co., Canowie certificate

Jury Section XXIII.—LEATHER AND SKINS.**SECOND ORDER OF MERIT.****SADDLERY AND HARNESS LEATHER.**

Green, J. J., Adelaide certificate

THIRD ORDER OF MERIT.

SOLE LEATHER.	CALFSKINS.
Green, J. J., Adelaide certificate	Green, J. J., Adelaide certificate

Sub-Jury.—FURS.**FOURTH ORDER OF MERIT.****RUGS AND SKINS OF ANIMALS.**

Commissioners for South Australia, Adelaide certificat

Jury Section XXIV. & XXV.—AGRICULTURAL IMPLEMENTS.**FIRST ORDER OF MERIT.**

STRIPPERS.		CHEESE VATS.	
Martin, J., and Co., Gawler	gold	Geruer, F. K., Adelaide	silver
Ramsay, J. G., and Co., Mount Barker	gold		
BROAD-CAST SEEDSOWER.		WOOL SCOURERS.	
Dobbie, A. and J., Adelaide	silver	Warren and Hogarth, Adelaide	silver

SECOND ORDER OF MERIT.

CHAFF-CUTTERS.		GRAPE MILLS.	
Martin, J., and Co., Gawler	certificate	Williams and Dixon, Adelaide	certificate
HORSE POWERS.		CHURN AND CURD MILLS.	
Martin, J., and Co., Gawler	certificate	Moody, T., Adelaide	certificate

THIRD ORDER OF MERIT.

DOUBLE-FURROW PLOUGH.	
Mellor Brothers, Adelaide	certificate

FIFTH ORDER OF MERIT.

CORN CRUSHERS.	
Martin, J., and Co., Gawler	certificate

Jury Section XXVI.—MACHINES, MACHINE TOOLS.**THIRD ORDER OF MERIT.**

BOILER PLATES AND CASTINGS.	
Hooker, J., Adelaide	certificate

Jury Section XXVII.—CARRIAGES.**SECOND ORDER OF MERIT.**

LANDAU, CLOSE ELLIPTIC.		BAROUCHE, C AND UNDER SPRING.	
Barlow, T., and Sons, Adelaide	certificate	Cottrell, T. L., Adelaide	certificate

FOURTH ORDER OF MERIT.

PARISIAN PHAETON.	
Cottrell, T. L., Adelaide	certificate

Jury Section XXVIII.—RAILWAYS, MINING, AND METALLURGY.**FIRST ORDER OF MERIT.**

GALVANISED IRON AND TINWARE.		COPPER.	
Simpson and Son, Adelaide	silver	English and Australian Copper Co., Burra	bronze
MINERALS AND ORES.		Wallaroo Smelting Works, Wallaroo	bronze
Commissioners for South Australia, Adelaide	(2)		

(2) Certificate equal to silver.

SECOND ORDER OF MERIT.**ARTESIAN WELL TOOLS.**

Clark, F., and Sons, Adelaide	certificate
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FOURTH ORDER OF MERIT.**FOSSILS.**

Atyeo, F., Mount Gambier	certificate
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FOSSIL BONES.

Robertson, R. M.	certificate
Sullivan, R. F.	certificate

HONOURABLE MENTION.**OILSTONES.**

Klein, E., Friedrichswelde	certificate
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ORE SEPARATORS.

Martin, J., and Co., Gawler	certificate
Sanders, J., Burra Burra	certificate

GOLD.

Jensen, Olaf, Pine Creek	certificate
Price, E. W., Government Resident, Northern Territory	certificate

Jury Section XXX.—NAVIGATION.**THIRD ORDER OF MERIT.****MANILLA ROPE.**

Tamlin and Coombe, Adelaide	certificate
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FOURTH ORDER OF MERIT.**MODELS OF FLOATING BREAKWATER.**

Erskine, W., Adelaide	certificate
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Jury Section XXXI.—CEREALS, CONDIMENTS, AND STIMULANTS.**FIRST ORDER OF MERIT.****WHEAT.**

Angas, J. H., Angaston	silver
Angas, J. H., Angaston	silver
Angas, J. H., Angaston	silver
Brook, W., Woodchester	silver
Commissioners for South Australia, Adelaide	(2)
Thyer, J., Belalie	silver
Thyer, J., Belalie	silver

CURRENTS AND RAISINS.

Hardy, T., Adelaide	silver
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FLOUR.

Cowan, J., and Co., Adelaide	silver
Duffield, W., and Co., Gawler	silver

OATS.

Commissioners for South Australia, Adelaide	(2)
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OLIVE OIL.

Barnard, G. L., Walkerfield	silver
Chiles, S., Unley	silver

SECOND ORDER OF MERIT.**WHEAT.**

Brook, W., Woodchester	certificate
Commissioners for South Australia, Adelaide	certificate
Paterson, R., Smithfield	certificate
Venning, W. J., Crystal Brook	certificate

WHEAT, SCOTCH WONDER (GRAIN OF 1881).

Thyer, J., Belalie	certificate
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WHEAT, WHITE ESSEX (GRAIN OF 1881).

Thyer, J., Belalie	certificate
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(2) Certificate equal to silver.

WHEAT, WHITE TUSCAN (GRAIN OF 1881).		PICKLES.	
Thyer, J., Belalie	certificate	Royal London Condiment Works, Kent Town	certificate
CONFECTIONERY.		BISCUITS.	
Irwin and Miller, Adelaide	certificate	Commissioners for South Australia, Adelaide	certificate
FLOUR.		CURRIE POWDER.	
Cowan, J., and Co., Adelaide	certificate	Royal London Condiment Works, Adelaide	certificate
Cowan, J., and Co., Adelaide	certificate		
Duffield, W., and Co., Gawler	certificate		
Duffield, W., and Co., Gawler	certificate		
Fink, C., Greenock	certificate		
Harrison, W. C., and Co., Port Adelaide	certificate		
Webb, A. W., Lyndock Valley	certificate	OLIVE OIL.	
		Anderson and Co., Adelaide	certificate
		Davenport, S., Adelaide	certificate
		Hardy, T., Adelaide	certificate
		Howell, J., Adelaide	certificate
SAUCES.		OATS, FEED.	
Royal London Condiment Works, Kent Town	certificate	Frame, J., Mount Barker	certificate
KETCHUP.		ASSORTED JAMS.	
Hammer, J., Adelaide	certificate	Terry, W. D., Belair	certificate
TOMATO SAUCE.		M'Ewin, G., and Sons, Glen Ewin	certificate
Stark, C. A., Wirrabarra	certificate		

THIRD ORDER OF MERIT.

WHEAT.		FLOUR.	
Angas, J. H., Angaston	certificate	Cowan, J., and Co., Adelaide	certificate
Commissioners for South Australia, Adelaide	certificate	Cowan, J., and Co., Adelaide	certificate
Commissioners for South Australia, Adelaide	certificate	VINEGAR.	
Perryman, J. M., Koolunga	certificate	Burton and Co., Adelaide	certificate
Venning, W. J., Crystal Brook	certificate		

FOURTH ORDER OF MERIT.

WHEAT.	
Angas, J. H., Angaston	certificate

HONOURABLE MENTION.

MAIZE, NINETY DAYS (GRAIN 1881).	
Holtze, M., Palmerston	certificate

Jury Section XXXIII.—MEAT AND FISH.**FOURTH ORDER OF MERIT.**

FRENCH PRESERVED MEAT.	
Bourbaud, Ed., North Adelaide	certificate

Jury Section XXXIV.—WINES.**SECOND ORDER OF MERIT—CERTIFICATE.**

Auld, W. P.	...	Auldana	...	Auldana muscatel	Vintage 1876
Jacob, W.	...	Moorooro	...	Carbinet and shiraz	" "

THIRD ORDER OF MERIT—CERTIFICATE.

Auld, W. P. ...	Auldana	Auldana ruby	Vintage 1876
Auld, W. P. ...	"	" cup	" 1874
Auld, W. P. ...	"	" muscat	" 1877
Elder, Sir Thos. ...	Birksgate	Birksgate hermitage	" 1873
Gillard, Jos. ...	Norwood	Sherry	" "
Holbrook, J. D. ...	Underdale	"	" 1870
Jacob, W. ...	Moorooroo	Verdeilho	" 1880
Jacob, W. ...	"	Carbinet and shiraz	" 1877
Jacob, W. ...	"	Frontignac	" 1878
Penfold and Co. ...	Magill ...	Verdeilho	" 1879
Penfold and Co. ...	" ...	Red hermitage	" "
Salter, W., and Sons ...	Angaston	Shiraz	" 1874
Seppelt, B. ...	Seppeltsfield	Blanquette de Limoux	" 1876
Seppelt, B. ...	"	Port, B	" 1877
Smith, S., and Sons ...	Yalumba	Frontignac	" 1869
Smith, S., and Sons ...	"	Verdeilho	" 1877
Smith, S., and Sons ...	"	Frontignac	" 1876
Smith, S., and Sons ...	"	Constantia	" 1877
Smith, S., and Sons ...	"	Muscatel	" 1876
Smith, S., and Sons ...	"	Port	" 1871
Smith, S., and Sons ...	"	Still champagne	" 1878
South Australian United Vineyards Association ...	Adelaide	Muscatel	" 1876
Wigg, R. H., and Sons ...	"	Shiraz	" 1874
Wigg, R. H., and Sons ...	"	Old Constantia	" "

FOURTH ORDER OF MERIT—CERTIFICATE.

Auld, W. P. ...	Auldana	Auldana ruby cup	Vintage 1878
Auld, W. P. ...	"	Auldana W. P.	" 1873
Baker, R. ...	Adelaide	Madeira	" "
Elder, Sir Thos. ...	Birksgate	Birksgate hermitage	" "
Gilbert, J. ...	Rosey Vale	Muscat	" 1870
Gilbert, J. ...	Pensey Vale	Pensey Vale	" 1869
Gillard, J. ...	Norwood	Madeira	" 1868
Hardy, T. ...	Bankside	Highercombe red	" 1872
Hardy, T. ...	"	Muscat	" 1875
Hay, Hon. A. ...	Linden	Linden red	" 1876
Penfold and Co. ...	Magill ...	Pedro Ximenes	" 1875-6
Penfold and Co. ...	" ...	Grenache	" 1876-7-8
Penfold and Co. ...	" ...	Muscadine	" 1875-6
Penfold and Co. ...	" ...	Constantia	" 1877
Salter, W., and Sons ...	Angaston	Sherry	" 1876
Salter, W., and Sons ...	"	Sweet red	" "
Salter, W., and Sons ...	"	S. A. port	" 1875
Salter, W., and Sons ...	"	Sweet white	" 1876
Smith, S., and Sons ...	Yalumba	Ruschette	" 1877
Smith, S., and Sons ...	"	Sherry	" 1875
South Australian United Vineyards Association ...	Adelaide	"	" 1874
South Australian United Vineyards Association ...	"	Pedro Ximenes	" "
South Australian United Vineyards Association ...	"	Carbinet	" 1871
South Australian United Vineyards Association ...	"	Port	" 1874
White, E. ...	Fullarton	Palornimo blanco	" 1878
Wigg, R. H., and Sons ...	Adelaide	S. A. sherry	" 1874
Wigg, R. H., and Sons ...	"	Madeira	" "
Wigg, R. H., and Sons ...	"	S. A. claret	" 1875
Wigg, R. H., and Sons ...	"	Shiraz	" 1865
Wigg, R. H., and Sons ...	"	S. A. port	" 1874
Wigg, R. H., and Sons ...	"	Tokay, fruit	" 1875
Wood, A. ...	Yankalilla	Scyras	" 1877
Wood, A. ...	"	"	" 1878

FIFTH ORDER OF MERIT—CERTIFICATE.

Auld, W. P.	...	Auldana	...	Auldana white	Vintage 1874
Auld, W. P.	...	"	...	" ruby	1877
Baker, R.	...	Adelaide	...	Shiraz	1878
Baker, R.	...	"	...	"	1877
Baker, R.	...	"	...	Liqueur	"
Crompton, J.	...	Stonyfelt	...	Sercial	1875-6
Crompton, J.	...	"	...	Tokay	1877
Davenport, S.	...	Beaumont	...	Shiraz	1868
Davenport, S.	...	"	...	Grenache	1874
Elder, Sir Thos.	...	Birksgate	...	Madeira	1875
Elder, Sir Thos.	...	"	...	Port	1872
Gilbert, J.	...	Pewsey Vale	...	Riesling	1869-75
Gilbert, J.	...	"	...	"	1872
Gilbert, J.	...	"	...	Carbinet	1869-78
Gilbert, J.	...	"	...	"	1870
Gilbert, J.	...	"	...	"	1869
Gilbert, J.	...	"	...	"	1872-3
Gillard, J.	...	Norwood	...	Shiraz	1869
Gillard, J.	...	"	...	Mataro	1863-7
Gillard, J.	...	"	...	Constantia	1868-9
Hardy, Thos.	...	Bankside	...	Riesling	1872
Hardy, Thos.	...	"	...	Claret	1874
Hardy, Thos.	...	"	...	Sauvignon blanc	1877
Hardy, Thos.	...	"	...	Shiraz	1873
Hardy, Thos.	...	"	...	Douzelino	"
Hay, Hon. A.	...	Linden	...	Tokay	1876
Holbrook, J. D.	...	Underdale	...	Madeira	1878
Holbrook, J. D.	...	"	...	Red wine	1873
Holbrook, J. D.	...	"	...	Port	1872
Holbrook, J. D.	...	"	...	Old red	1870
Jacob, W.	...	Moorooroo	...	Carbinet and shiraz	1875
Kaines, J. H.	...	Adelaide	...	Tokay	1874
Kaines, J. H.	...	"	...	Verdeilho	1871
Kaines, J. H.	...	"	...	Shiraz	1869
Kaines, J. H.	...	"	...	Shiraz	1874
Penfold and Co.	...	Magill	...	Mataro	1876-7
Penfold and Co.	...	"	...	Madeira	1875-6
Penfold and Co.	...	"	...	Tokay	"
Penfold and Co.	...	"	...	Constantia	1877
Penfold and Co.	...	"	...	Madeira	1879
Penfold and Co.	...	"	...	Frontignac	"
Penfold and Co.	...	"	...	"	1876-7-8
Penfold and Co.	...	"	...	Muscadine	1875-6
Salter, W., and Sons	...	Angaston	...	Sweet wine	1874
Salter, W., and Sons	...	"	...	Shiraz	1870
Salter, W., and Sons	...	"	...	Constantia	1875
Seppelt, B.	...	Seppeltsfield	...	Blanquette de Limoux	1877
Seppelt, B.	...	"	...	Sherry	1876
Seppelt, B.	...	"	...	"	"
Seppelt, B.	...	"	...	Port	1875
Smith, S., and Sons	...	Yalumba	...	Claret	1877
South Australian United Vineyards Association	...	Adelaide	...	Hock	1872
South Australian United Vineyards Association	...	"	...	Claret	"
South Australian United Vineyards Association	...	"	...	Madeira	1874
South Australian United Vineyards Association	...	"	...	Tintilla	1872
South Australian United Vineyards Association	...	"	...	Constantia	"
South Australian United Vineyards Association	...	"	...	Sherry	1874
White, E.	...	Fullarton	...	Doradilla	1871
White, E.	...	"	...	Pedro	"

White, E.	...	Fullarton	...	Doradilla	Vintage 1876
White, E.	...	"	...	Ferastes colora	" 1873
White, E.	...	"	...	Burgundy port	" 1870
Wigg, R. H., and Sons	...	Adelaide	...	Verdeilho	" 1869
Wigg, R. H., and Sons	...	"	...	Sauterne	" "
Wigg, R. H., and Sons	...	"	...	S. A. hock	" "
Wigg, R. H., and Sons	...	"	...	Doradilla	" 1870
Wigg, R. H., and Sons	...	"	...	Burgundy	" 1874
Wigg, R. H., and Sons	...	"	...	Carbinet	" "
Wigg, R. H., and Sons	...	"	...	Shiraz	" 1865
Wigg, R. H., and Sons	...	"	...	White muscat	" 1873
Wigg, R. H., and Sons	...	"	...	Frontignac	" 1875
Wood, A.	...	Yankalilla	...	Verdeilho	" "

Jury Section XXXIVa.—SPIRITS.

FOURTH ORDER OF MERIT.

BRANDY, IN CASE.

Seppelt, B., Seppeltsfield

certificate

Jury Section XXXIVc.—CORDIALS AND LIQUEURS.

FIRST ORDER OF MERIT.

GINGER WINE.

Bickford, A. M., and Sons, Adelaide

bronze

SECOND ORDER OF MERIT.

PEPPERMINT.

Hall and Sons, Norwood

certificate

GINGERETTE.

Bickford, A. M., and Sons, Adelaide

certificate

RASPBERRY.

Bickford, A. M., and Sons, Adelaide

certificate

Hall and Sons, Norwood

certificate

CLOVES.

Hall and Sons, Norwood

certificate

GINGER WINE.

Hall and Sons, Norwood

certificate

GINGER BRANDY.

Bickford, A. M., and Sons, Adelaide

certificate

Hall and Sons, Norwood

certificate

BITTERS.

Bickford, A. M., and Sons, Adelaide

certificate

Bickford, A. M., and Sons, Adelaide

certificate

SYRUPS.

Seppelt, B., Seppeltsfield

certificate

TONIC WATER.

Hall and Sons, Norwood

certificate

SELTZER WATER.

Hall and Sons, Norwood

certificate

SODA-WATER.

Bickford, A. M., and Sons, Adelaide

certificate

Conigrave, B. N. and H., Macclesfield

certificate

GINGER BEER.

Bickford, A. M., and Sons, Adelaide

certificate

GINGER ALE.

Hall and Sons, Norwood

certificate

TONIC WINES.

Seppelt, B., Seppeltsfield

certificate

Jury Section XXXVI.—HORTICULTURE AND CONSERVATORIES.**FIRST ORDER OF MERIT.**

ORANGES AND APPLES.

Commissioners for South Australia, Adelaide (3)

THIRD ORDER OF MERIT.

SEEDS OF VEGETABLES.

Hackett, E. and W., Adelaide certificate

HONOURABLE MENTION.

ANISEED.

Ethell, Jas., Adelaide certificate

LADIES' JURY.**THIRD ORDER OF MERIT.**

PAINTING ON VELVET AND SILK.

Fiveash, Miss, North Adelaide certificate

FOURTH ORDER OF MERIT.

LEATHER FRAMES.

Glassford, Miss certificate

(3) Certificate equal to bronze.

TASMANIA.

Jury Section I.—FINE ARTS.

SECOND ORDER OF MERIT.

FLOWER PAINTING, WATER-COLOURS.		INDIA INK STUDIES.
Meredith, L. A., Launceston	certificate	Sherwin, Emily, Launceston certificate

FIFTH ORDER OF MERIT.

PEN-AND-INK SKETCHES.		
Whitfield, A., Longford	certificate	
PEN-AND-INK SKETCHES, ILLUSTRATED HISTORY OF TASMANIA.		PENCIL DRAWING.
Fenton, J., Launceston	certificate	Pybus, Percy, Launceston certificate

Jury Section IV.—PRINTING, BOOKS, STATIONERY, &c.

THIRD ORDER OF MERIT.

	PUBLICATIONS.	
Meredith, L. A., Launceston	certificate	Walch Bros. and Birchall, Launceston certificate

FOURTH ORDER OF MERIT.

	PRINTING.	
Barnard, J., Government Printer, Hobart		certificate

Jury Section V.—PHOTOGRAPHIC PROOFS AND APPARATUS.

FIRST ORDER OF MERIT.

	PORTRAITS TAKEN DIRECT.	
Anson Bros., Hobart	bronze	Bailey, H. H., Hobart bronze

SECOND ORDER OF MERIT.

	PORTRAITS.	
Winter, A., Hobart		certificate

THIRD ORDER OF MERIT.

	PORTRAITS TAKEN DIRECT.	
Hull, H. M., Hobart		certificate

Jury Section VII.—MEDICINE, HYGIENE, AND PUBLIC RELIEF.

FIRST ORDER OF MERIT.

DENTAL PUMPS.

Leitch, D., Launceston bronze

Jury Section XII.—CIVIL ENGINEERING, PUBLIC WORKS.

FIRST ORDER OF MERIT.

SANDSTONE.

Robinson, R., Okehampton bronze

SECOND ORDER OF MERIT.

GRINDSTONES.

Gillon, J., and Sons, Hobart certificate

FOURTH ORDER OF MERIT.

SLATES.

Lyell and Gowan, Slateport certificate

HONOURABLE MENTION.

BUILDING STONE.

Commissioners for Tasmania, Hobart certificate

Jury Section XIII. and XXII.—CHEMICAL AND PHARMACEUTICAL PRODUCTS.

FIRST ORDER OF MERIT.

WATTLE BARK.

Grubb Bros. bronze

SPERM OIL.

M'Gregor, A., Hobart bronze

YOLA BIRD OIL, NEATSFOOT OIL, YOLA TALLOW, SEAL OIL.

Walden, James, Launceston bronze

THIRD ORDER OF MERIT.

WATTLE BARK.

Firth, J., Launceston certificate

FOURTH ORDER OF MERIT.

SOAP AND CANDLES.

Murray, W., Hobart certificate

HONOURABLE MENTION.

CANDLES.

Simpson, H., Hobart certificate

GUM.

Mitchell, Miss, Hobart certificate

FISH MANURE.

Roberts, H., Hobart certificate

Jury Section XIV.—LEATHERWORK AND FANCY ARTICLES.**SECOND ORDER OF MERIT.****BRUSHWARE.**

Rout, W. J., Launceston	certificate
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THIRD ORDER OF MERIT.**BASKETWARE.**

Bridges Bros., Hobart	certificate
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FOURTH ORDER OF MERIT.**WOOD CARVING.**

Woods, C. J., Formosa	certificate
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BASKET WORK.

Wignall, B., Hobart	certificate
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Jury Section XV.—COTTON, FLAX, HEMP, CLOTHING, &c.**FOURTH ORDER OF MERIT.****FELT HATS.**

The Kensington Hat Co., Hobart	certificate
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Jury Section XVI.—WORSTED, WOOLLEN, SHAWLS.**FOURTH ORDER OF MERIT.****SHAWLS.**

Bulman and Johnston, Launceston	certificate
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Jury Section XVIII.—WEAPONS, &c.**HONOURABLE MENTION.****TASMANIAN DEVILS.**

The Royal Society of Tasmania, Hobart	certificate
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SALMON TROUT, STUFFED.

Commissioners for Tasmania, Hobart	certificate
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BIRDS' EGGS.

Reed, F. H., Evandale	certificate
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Jury Section XIX.—PRODUCTS OF FORESTS.**FIRST ORDER OF MERIT.****SPECIMENS OF WOODS.**

The Royal Society of Tasmania, Hobart	(2)
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CASKS.

Burgoyne, —, Hobart	silver
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SECOND ORDER OF MERIT.**SPECIMENS OF TASMANIAN TIMBER.**

Commissioners for Tasmania, Hobart	certificate
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OIL CASK.

Johnston, William, Hobart	certificate
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TROPHY OF GUM WOODS.

Risby, J. E., Hobart	certificate
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WILLOWS.

Bridges Bros., Hobart	certificate
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THIRD ORDER OF MERIT.

BLACKWOOD PLANK.		BLACKWOOD OIL STAVES.	
Elliot, G. B., Hobart	certificate	Tatlow, Anthony, Circular Head	certificate
SPECIMENS OF WOODS OF TASMANIA.		WILLOWS.	
Stephens, Thomas, Hobart	certificate	Barrett, Joseph, Launceston	certificate

FOURTH ORDER OF MERIT.

VENEERS OF TASMANIAN WOODS.		RIVER FORTH PINE.	
Douglas, Adye, M.H.A., Launceston	certificate	Smith, James, Westwood	certificate
HUON PINE.		WILLOWS.	
Hooper, G., Hobart	certificate	Jones, J., Launceston	certificate
VENEERS AND MYRTLE WOOD.		Wignall, B., Hobart	certificate
Laing, J., Launceston	certificate		

Jury Section XXI.—WOOL.**FIRST ORDER OF MERIT.**

MERINO WOOL, UNWASHED, EWES OF ANY AGE.		WOOL, MERINO FLEECES.	
Gibson, J., Belle Vue	silver	Kermode, W. A., Mona Vale	silver

SECOND ORDER OF MERIT.

MERINO WOOL, WASHED, 2-TOOTH EWES.		MERINO WOOL, UNWASHED, HOGGETS.	
Gibson, W., and Son, Scone	certificate	Gibson, W., and Son, Scone	certificate
MERINO WOOL, UNWASHED, EWES OF ANY AGE.		MERINO WOOL, UNWASHED, 2-TOOTH EWES.	
Keach, G. W., Chiswick, Ross	certificate	Gibson, W., and Son, Scone	certificate

THIRD ORDER OF MERIT.

MERINO WOOL, UNWASHED, EWES OF ANY AGE.	
Parramore, T., Ross	certificate

Jury Section XXIII.—LEATHER.**Sub-Jury.—FURS.****FIFTH ORDER OF MERIT.**

MADE-UP FURS OF OPOSSUMS.		ANGORA MUFFS.	
Birchall, A. W., Launceston	certificate	Templar, W., Perth	certificate

Jury Section XXIV. and XXV.—AGRICULTURAL IMPLEMENTS.**SECOND ORDER OF MERIT.**

HARROWS.	
Crawford, Henry, Evandale	certificate

Jury Section XXVI.—MACHINES, MACHINE TOOLS.

FOURTH ORDER OF MERIT.

WATER MOTOR.

Leitch, D., Launceston

certificate

FIFTH ORDER OF MERIT.

SHEEP-MARKING INSTRUMENTS.

Thomas, D., Perth

certificate

Jury Section XXVIII.—RAILWAYS, MINING, AND METALLURGY.

FIRST ORDER OF MERIT.

LEAD SHOT.

Moir, J. G., Hobart

silver

TIN.

Commissioners for Tasmania, Launceston (2)

SECOND ORDER OF MERIT.

MINERALS.

Commissioners for Tasmania, Launceston

certificate

THIRD ORDER OF MERIT.

COAL.

von Steiglitz, F., Launceston

certificate

Coote, Captain Audley, Hobart

certificate

FOURTH ORDER OF MERIT.

COAL.

Brooks, R. P., Enterprise Mine, Newtown

certificate

HONOURABLE MENTION.

HORSE-SHOES, HAND-MADE.

Crawford, H., Evandale

certificate

GOLD.

Simpson, A., Launceston

certificate

TASMANITE.

Nolan, J.

certificate

MAP OF TASMANIA, SHOWING AURIFEROUS DEPOSITS.

Taylor, A. J.

certificate

Jury Section XXX.—NAVIGATION.

FIRST ORDER OF MERIT.

WHALE-BOAT.

Macquarie, Lachlan, Hobart

silver

Jury Section XXXI. and XXXII.—CEREALS, CONDIMENTS, AND STIMULANTS.

FIRST ORDER OF MERIT.

BARLEY.

Dalgety and Co., Launceston
Pitt, T. and G., Hobartsilver
silver

OATS, MILLING.

Edginton, T., Launceston
Reed, F. H., Evandalesilver
silver

(2) Certificate equal to silver.

OATS, FEED.		PARTRIDGE PEA.	
Edginton, T., Launceston	silver	Smith, J. L., Cambock	bronze
Cox, J., Clarendon	silver	Walden, J., Launceston	bronze
HOPS, GOLDING.		WHITE PEA.	
Sharland, W. C., New Norfolk	silver	Reed, F. H., Evandale	bronze
		Walden, J., Launceston	bronze
HOPS, EARLY GRAPES.		BLUE PEA.	
Shoobridge, E., New Norfolk	silver	Edginton, T., Launceston	bronze
HOPS.		Walden, J., Launceston	bronze
Downie and Co., New Norfolk	silver		
Nicholson, T., Hydehurst	silver		
HORSE BEANS		GRASS SEED, NEW GRAIN.	
Walden and Co., Launceston	bronze	French, J., Glenore	bronze
		Hingston, H. T., Glenore	bronze

SECOND ORDER OF MERIT.

OATS, FEED.		HOPS.	
Edginton, T., Launceston	certificate	Allwright, T., New Norfolk	certificate
Horne, R., Exton	certificate	Downie and Co., New Norfolk	certificate
		Jeffrey, R., New Norfolk	certificate
OATS, MILLING.		Nicholson, H., New Norfolk	certificate
Dalgety and Co., Launceston	certificate		
Smith, J. L., Cambock	certificate		
BARLEY.		PARTRIDGE PEA.	
Collins, D., Evandale	certificate	Reed, F. H., Evandale	certificate
OATMEAL.		WHITE PEA.	
Ritchie, D., Launceston	certificate	Hingston, W. J., Cressy, Butleigh	certificate
FLOUR.		GRASS SEED, ITALIAN (NEW GRAIN).	
Monds, T., Carrick	certificate	Bowman, F. J., Cheshunt	certificate
		Wilmore, J., Longford	certificate
HOPS, GOLDING.		WHEAT.	
Shoobridge, E., New Norfolk	certificate	Dossetor, W. R., Hobart	certificate
HOPS, LATE GRAPES.		Gibson, W. G., Hobart	certificate
Shoobridge, E., New Norfolk	certificate	Pitt, T. and G., Hobart	certificate

THIRD ORDER OF MERIT.

BISCUITS.		BLUE PEA.	
Haywood, D., Hobart	certificate	Reed, F. H., Evandale	certificate
FLOUR.		WHEAT.	
Dossetor, W. R., Hobart	certificate	Dalgety and Co., Launceston	certificate
Dossetor, W. R., Hobart	certificate	Dalgety and Co., Launceston	certificate
HOPS.		Hingston, W. J., Cressy, Butleigh	certificate
Nicholson, T., New Norfolk	certificate	Hall, R., Bishopsbourne	certificate
Moore, J. A., New Norfolk	certificate		

FOURTH ORDER OF MERIT.

WHEAT.	
Reid, F. H., Evandale	certificate

Jury Section XXXIVc.—CORDIALS AND LIQUEURS.

FIRST ORDER OF MERIT.

RASPBERRY.	
Kelly and Gordon, Hobart	bronze

SECOND ORDER OF MERIT.

CLOVES.		GINGER ALE.	
Kelly and Gordon, Hobart	certificate	Kelly and Gordon, Hobart	certificate
GINGER BRANDY.		TONIC WINES.	
Weaver and Co., Hobart	certificate	Weaver and Co., Hobart	certificate
TONIC WATER.		PEPPERMINT.	
Kelly and Gordon, Hobart	certificate	Kelly and Gordon, Hobart	certificate

Jury Section XXXVI.—HORTICULTURE AND CONSERVATORIES.

FIRST ORDER OF MERIT.

GARDEN CLIPPERS.	
Thomas, D., Perth	bronze

LADIES' JURY.

FIRST ORDER OF MERIT.

WAX AND PAPER FLOWERS AND MODELS OF FRUIT.		SPLASH-WORK, ON WOOD.	
Johnston, Mrs., Hobart	bronze	Way, T. B., Hobart	certificate
LACE-WORK COLLAR.		SPATTRIE-WORK, ON WOOD.	
Maddock, Miss R. E., Hobart	certificate	Andrews, Mrs. M. A., Hobart	certificate
LACE WORK.		PAINTING ON WOOD.	
Cleveland, Miss C., Launceston	certificate	Brent, R., Hobart	certificate
EMBROIDERY ON SILK, SATIN, AND VELVET.		Dowdell, Miss A., Hobart	certificate
Thornton, Mrs. W., Hobart	certificate	Hope, Miss L., Hobart	certificate
		Hope, Miss M., Hobart	certificate
		Hull, Miss M. A., Hobart	certificate
		LACE HANDKERCHIEF.	
		Huxtable, Miss, Hobart	certificate

SECOND ORDER OF MERIT.

CROCHET, QUILTS AND BANNER-SCREEN OF CLOTH APPLIQUE.	
Andrews, Mrs. M. A., Hobart	certificate

THIRD ORDER OF MERIT.

LACE-WORK COLLAR.		COUNTERPANE OF BERLIN WOOL WORK.	
Beedham, Miss, Hobart	certificate	Evans, Mrs., Long Bay	certificate
EMBROIDERY.			
Windsor, Miss K., Sandy Bay	certificate		

VICTORIA.

Jury Section I.—FINE ARTS.

FIRST ORDER OF MERIT.

OIL PAINTING.		ENGRAVED AND LITHOGRAPHED MAPS.	
Buvelôt, Louis, Fitzroy	gold	Slight, W., Melbourne	bronze
WATER-COLOUR FLOWER PAINTING.		The Mining Department, Melbourne	(3)
Rowan, Mrs. F. C., Macedon	gold		
Purves, Miss C. F., Melbourne	gold	ILLUMINATED ADDRESSES.	
PHOTO-LITHOGRAPHIC AND PHOTO-ZINCOGRAPHIC REPRODUCTIONS OF MANUSCRIPT, LITHOGRAPHED OR ENGRAVED MAPS.		Hamel and Ferguson, Melbourne	bronze
Noone, J., Melbourne	silver	HERALDIC PAINTING.	
		Stevenson, Thomas, Melbourne	bronze

SECOND ORDER OF MERIT.

WOOD ENGRAVINGS.		FLOWERS, IN OIL, ON PANEL.	
Bruce, R., Windsor	certificate	Guillod, Miss, Melbourne	certificate
Calvert, Samuel, Melbourne	certificate		
Jenny, R., Melbourne	certificate	MINIATURES, ON IVORY.	
LITHOGRAPHY, ARTISTIC AND COMMERCIAL.		Yuck, Sun, Melbourne	certificate
Sands and M'Dougall, Melbourne	certificate	OUTLINE SKETCHES, IN PENCIL.	
Troedel, C., and Co., Melbourne	certificate	Smith, Bernhardt, Mansfield	certificate
OLEO, CHROMO-LITHO, AND CHROMO-TYPOGRAPH.		OIL PAINTING.	
Calvert, Samuel, Melbourne	certificate	von Guerard, E., Melbourne	certificate
PEN-AND-INK DRAWINGS.		FLOWERS AND INSECTS, WATER-COLOUR.	
Cairns, E. M., Mining Department, Melbourne	certificate	Black, Mrs. Eva J. E., Kilcunda	certificate
Dattari, Paolo, Melbourne	certificate		

THIRD ORDER OF MERIT.

LITHOGRAPHY, ARTISTIC AND COMMERCIAL.		WATER-COLOUR SKETCHES FROM NATURE.	
Ashton, G. R., Melbourne	certificate	Lightfoot, T. H., North Fitzroy	certificate
Hamel and Ferguson, Melbourne	certificate	FLOWER-PAINTING WITH COLOURS.	
Watson, A. J., Melbourne	certificate	Dalton, Miss H., Stawell	certificate
CHROMO, OLEO, LITHO, AND CHROMO-TYPOGRAPHS.		Scales, J. A., South Yarra	certificate
Massina and Co., Melbourne	certificate	HERALDIC PAINTING.	
Sands and M'Dougall, Melbourne	certificate	Harper, C., Melbourne	certificate
Troedel, C., & Co., Melbourne	certificate	WATER-COLOURS.	
ILLUSTRATED ADDRESSES AND PEN-AND-INK DRAWINGS.		Ashton, J. R., Carlton	certificate
Gourlay, Mrs. J., Emerald Hill	certificate	OIL PAINTINGS.	
		A'Beckett, J. E., Brighton	certificate
		Whitehead, Isaac, Collins-street	certificate

FOURTH ORDER OF MERIT.

ARCHITECTURAL DRAWINGS.

Clarke, J. J., Melbourne	certificate
Egan, M., Melbourne	certificate
Henderson and Smart, Melbourne	certificate

ILLUMINATION.

Buchanan, Miss A. E., Titanga, Lismore	certificate
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LITHOGRAPHY.

Niven, F. W., Ballarat	certificate
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FLOWER-PAINTING ON SILK.

Greene, Cora	certificate
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OLEO-MEZZOTINT.

Schafer, C., Windsor	certificate
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CRAYON DRAWINGS, FROM LIFE.

Hunen, J. J., Hotham	certificate
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FIFTH ORDER OF MERIT.

OIL PAINTINGS.

Ford, William, Melbourne	certificate
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FLOWERS, IN IVORY.

Bannister, Mrs. R. D., Carlton	certificate
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CARVED STONE PICTURES.

Mathieson, A., Coleraine	certificate
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Jury Section II.—SCULPTURE, BRONZES, &c.

FIRST ORDER OF MERIT.

DIE-SINKING.

Stokes and Martin, Melbourne	silver
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SECOND ORDER OF MERIT.

ENAMELLING.

Rowland, J. R., Melbourne	certificate
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DIE-SINKING.

Sands and M'Dougall, Melbourne	certificate
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FIFTH ORDER OF MERIT.

ENGRAVING.

Altmann, E. A., Melbourne	certificate
Twentyman, G., Windsor	certificate

Whitehead, E., and Co., Melbourne	certificate
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Jury Section III.—EDUCATION.

FIRST ORDER OF MERIT.

EDUCATIONAL EXHIBIT.

Education Department, Melbourne	(1)
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MAPS.

Department of Mines, Melbourne	(1)
Department of Lands and Agriculture, Melbourne	(1)

COLLABORATOR.

Brown, G. W., B.A., Secretary of Edu- cation Department, Melbourne	(1)
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SECOND ORDER OF MERIT.

COLLABORATOR.

Bolam, T., Inspector-General Victorian Schools, Melbourne	certificate
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SCHOOLS OF DESIGN.

School of Design, Ballarat East	certificate
School of Design, Ballarat West	certificate
School of Design, Fitzroy	certificate
School of Design, Geelong	certificate
School of Design, Prahran	certificate

THIRD ORDER OF MERIT.

COLLABORATOR.		SCHOOLS OF DESIGN.	
Bradshaw, Miss, Collingwood		School of Design, Bendigo	certificate
State School, Lithgow-street	certificate	School of Design, Carlton	certificate
Moloney, Mr., Collingwood	certificate	School of Design, Collingwood	certificate
SCHOOL APPLIANCES.		School of Design, Clunes	certificate
Bolger, H., Carlton	certificate	School of Design, Hotham	certificate
		School of Design, Richmond	certificate
		School of Design, Richmond South	certificate

FOURTH ORDER OF MERIT.

SCHOOL APPLIANCES.		SCHOOLS OF DESIGN.	
Victoria Sunday School Union, Melbourne	certificate	School of Design, Footscray	certificate
		School of Design, Hawthorn	certificate
		School of Design, Talbot	certificate

HONOURABLE MENTION.

MAP OF VICTORIA.

Meaden, C. H., Collingwood	certificate
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Jury Section IV.—PRINTING, BOOKS, STATIONERY, &c.

FIRST ORDER OF MERIT.

ACCOUNT-BOOKS.		RUBBER STAMP.	
Cowan and Co., Melbourne	silver	Clark, W. T., Melbourne	bronze
Detmold, W., Melbourne	silver		
Sands and M'Dougall, Melbourne	silver	PUBLICATIONS.	
BOOKBINDING.		Art-Union of Victoria, Melbourne	—
Detmold, W., Melbourne	silver	Sands and M'Dougall, Melbourne	bronze
		Walch, G., Melbourne	bronze
STEREOS AND ELECTROS.		EASELS, DRAWING-BOARDS.	
Azzopardi, A., Melbourne	silver	Buxton, J., Melbourne	bronze
Sands and M'Dougall, Melbourne	silver		
WOOD TYPE AND BORDERS.		BOOKBINDERS' TOOLS.	
Furse, C., Richmond	silver	Roeszler, C. G., Melbourne	bronze
CHROMO AND GENERAL LITHOGRAPHY, EMBOSSING AND ENGRAVING.		PLAIN AND FANCY BOXES.	
Sands and M'Dougall, Melbourne	silver	Frame and Co., Melbourne	bronze
EMBOSSING AND ENGRAVING.		WRAPPING PAPERS.	
Whitehead, E., and Co., Melbourne	silver	Ramsden, G., Melbourne	bronze
CHROMO AND GENERAL LITHOGRAPHY.		MARKING INK.	
Troedel, C., and Co., Melbourne	silver	Ewing, T. A., Melbourne	bronze
LITHOGRAPHIC INK, COLOURED.		PRINTING.	
Cooke, S., Melbourne	silver	Mason, Firth and M'Cutcheon, Melbourne	bronze
PRINTING PAPER.		M'Carron, Bird and Co., Melbourne	bronze
Ramsden, G., Melbourne	silver		
PRINTING VARNISHES.		PHOTOGRAPHIC MOUNTS.	
Wimble, F. T., and Co., Melbourne	silver	Fox, C. J., Melbourne	bronze

SECOND ORDER OF MERIT.

PRINTING.		STEREOS.	
Massina, A. H., and Co., Melbourne	certificate	Syme, D., and Co., Melbourne	certificate

TYPE.
Thitchener, H., Melbourne certificate

CHROMO-LITHOS.
Hamel and Ferguson, Melbourne certificate

PRINTING INK, BLACK.
Wimble, F. T., and Co., Melbourne certificate

LITHOGRAPHIC INK, COLOURED.
Wimble, F. T., and Co., Melbourne certificate

LITHOGRAPHIC INK, BLACK.
Cooke, S., Melbourne certificate
Wimble, F. T., and Co., Melbourne certificate

ENVELOPES.
Sands and M'Dougall, Melbourne certificate

MANUFACTURE OF BAGS.
Jack, A., and Co., Melbourne certificate

MARKING INK.
Alcock, P. C., Melbourne certificate

WRITING INK, BLACK.
Graham, G. L., Melbourne certificate

WRITING INK, COLOURED.
Graham, G. L., Melbourne certificate

PUBLICATIONS.
Mason, Firth and M'Cutcheon, Melbourne certificate

THIRD ORDER OF MERIT.

RUBBER STAMP.
Roeszler, C. G., Melbourne certificate

PUBLICATIONS.
Arnall and Jackson, Melbourne certificate
Cole, S., Melbourne certificate
M'Carron, Bird and Co., Melbourne certificate

PRINTING.
Azzopardi, A., Melbourne certificate
Deputy Postmaster-General, Melbourne certificate
Jack, A., and Co., Melbourne certificate
Marshall, W., Melbourne certificate
Smith, T., Melbourne certificate

CHROMOS AND GENERAL LITHOS.
Arnall and Jackson, Melbourne certificate

LITHOGRAM.
Arnall and Jackson, Melbourne certificate

ENVELOPES.
Detmold, W., Melbourne certificate

PRINTING INK, COLOURED.
Wimble, F. T., and Co., Melbourne certificate

MANUFACTURE OF BAGS.
Schuhkrafft and Co., Melbourne certificate

WRITING INK, BLACK.
Mallett, J., Melbourne certificate

WRITING INK, COLOURED.
Mallett, J., Melbourne certificate

COPYING INK.
Alcock, P. C., Melbourne certificate

FOURTH ORDER OF MERIT.

COPYING PRESSES.
Harratt, H., Melbourne certificate

PRINTING.
Arnall and Jackson, Melbourne certificate

LITHOS.
Smith, T., Melbourne certificate

PRINTING INK, COLOURED.
Cooke, S., Melbourne certificate

Jury Section V.—PHOTOGRAPHIC PROOFS AND APPARATUS.

FIRST ORDER OF MERIT.

LANDSCAPE AND BUILDING PHOTOGRAPHS.

Caire, N., Melbourne bronze
Lindt, J. W., Melbourne bronze
Nettleton, Chas., Melbourne and Carlton bronze

PORTRAITS TAKEN DIRECT, NEITHER COLOURED NOR TINTED.

Caire, N., Melbourne bronze
Foster and Martin, Melbourne bronze
Johnstone, O'Shannessy and Co., Melbourne bronze
Lindt, J. W., Melbourne bronze

COLOURED AND TINTED PHOTOS.

Bennett, Mrs., South Yarra bronze
Foster and Martin, Melbourne bronze
Johnstone, O'Shannessy and Co., Melbourne bronze
Taylor, A. and E., Melbourne bronze

ENLARGED PHOTOGRAPHS.

Johnstone, O'Shannessy and Co., Melbourne bronze

PORTRAITS TAKEN DIRECT.

Tuttle and Co., Melbourne bronze

SECOND ORDER OF MERIT.

LANDSCAPE AND BUILDING PHOTOS.		ENLARGED PHOTOS.	
Cornell, F., Sale	certificate	Brennand, J. R., Prahran	certificate
M'Donald, —, St. Kilda	certificate		

FOURTH ORDER OF MERIT.**PHOTOGRAPHS.**

Kruger, Geelong	certificate
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Jury Section VI.—MUSICAL INSTRUMENTS.**FIRST ORDER OF MERIT.**

VIOLINS AND TENORS.		SKILFUL WORKMANSHIP IN REPAIRING VIOLINS.	
Dow, W. H., Melbourne	silver	Brown, W. J., Melbourne	silver

SECOND ORDER OF MERIT.

VIOLINS AND TENORS.		BANJOES.	
Gilmore, K., Melbourne	certificate	Haughton, Christopher, Melbourne	certificate
James, J. W., Melbourne	certificate	Haughton, J. T., Melbourne	certificate
Peacock, T., Melbourne	certificate	Marriott, J. W., Melbourne	certificate
BAGPIPES.			
Gilmore, R., Melbourne	certificate		

THIRD ORDER OF MERIT.

VIOLINS AND TENORS.		BANJOES.	
Brown, John, Melbourne	certificate	Bear, R. L., Melbourne	certificate

FOURTH ORDER OF MERIT.**COTTAGE PIANO.**

Weatherill, T., Richmond	certificate
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FIFTH ORDER OF MERIT.**CHURCH ORGANS.**

Fuller, A., Melbourne	certificate
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Sub-Jury.—PRINTED MUSIC.**SECOND ORDER OF MERIT.**

PRINTED MUSIC.		LITHOGRAPHED AND WRITTEN MUSIC.	
Allan and Co., Melbourne	certificate	Meyer, Alfred, Melbourne	certificate
Glen, W. H., and Co., Melbourne	certificate		
Nicholson and Co., Melbourne	certificate		

THIRD ORDER OF MERIT.

PRINTED MUSIC.		MUSIC, METHOD OF TEACHING.	
Dixon, W. F., and Co., Melbourne	certificate	Roberts, John H., Wedderburn	certificate

Jury Section VII.—MEDICINE, HYGIENE, AND PUBLIC RELIEF.**FIRST ORDER OF MERIT.**

SURGICAL APPLIANCES.		ELASTIC STOCKINGS.	
Gunn, W. R., Ballarat	bronze	Rocke, Tomsitt and Co., Melbourne	bronze
Jones and Co., Melbourne	bronze		

SECOND ORDER OF MERIT.

ARTIFICIAL LIMBS AND ORTHOPEDIC
INSTRUMENTS.

Armstrong & Gallagher, Melbourne certificate

SURGICAL APPLIANCES.

Atkinson, E. K., Melbourne certificate

GYMNASTIC APPARATUS.

Bennet, F., Melbourne certificate

DENTISTRY.

Heath and Kernot, Melbourne certificate

THIRD ORDER OF MERIT.

LADIES' SURGICAL APPLIANCES.

Aitchison, E., Carlton certificate

Callia, I., Carlton certificate

Gunn, Mrs., Ballarat certificate

ARTIFICIAL TEETH.

Romanis and Cooper, Melbourne certificate

Simmons and Dwyer, Melbourne certificate

Stevens, H., Melbourne certificate

FOURTH ORDER OF MERIT.

SPECIMENS OF DENTISTRY.

Chatfield, A. W., Fitzroy certificate

Jury Section VIII.—CLOCKS AND WATCHES.

FIRST ORDER OF MERIT.

TURRET CLOCKS.

Gaunt, T., Melbourne gold

MACHINE, DIVIDING, INCLUDING
IRIS ORNAMENT.

WEIGHING & MEASURING APPARATUS.

Royal Mint, Melbourne (2)

Barton, R., Melbourne bronze

SECOND ORDER OF MERIT.

ASTRONOMICAL REGULATORS.

White, W. J., Melbourne certificate

EXHIBIT OF CLOCKS, WATCHES, AND
MATERIALS.

Gaunt, Thomas, Melbourne certificate

FOURTH ORDER OF MERIT.

EXHIBIT OF CLOCKS, WATCHES, AND
MATERIALS.

Denis Brothers, Melbourne certificate

Meyers, W., Melbourne certificate

BAROMETERS, THERMOMETERS, AND
HYDROMETERS.

Gaunt, T., Melbourne certificate

DISSOLVING LANTERN, SPECIAL
ANEROID.

Wood and Co., Melbourne certificate

ASTRONOMICAL, SURVEYING, AND
NAUTICAL INSTRUMENTS.

Gaunt, T., Melbourne certificate

CUTLERY.

White, J. B. and T., Melbourne certificate

FIFTH ORDER OF MERIT.

MICROSCOPES AND MICROSCOPIC
APPLIANCES.

Gaunt, T., Melbourne certificate

CUTLERY.

Wragg, G., Melbourne certificate

SPECTACLES AND EYE-LENSES.

Jennings, J., Melbourne certificate

(2) Certificate equal to silver.

Jury Section IX.—FURNITURE AND ACCESSORIES.**FIRST ORDER OF MERIT.**

BILLIARD-TABLES AND APPLIANCES.
Alcock and Co., Melbourne gold

**DRAWING, DINING, AND BEDROOM
FURNITURE AND UPHOLSTERY WORK.**
Rocke, W. H., and Co., Melbourne silver

DININGROOM FURNITURE.
M'Ewan, J., Melbourne silver

**DININGROOM AND DRAWINGROOM
FURNITURE.**
Wallach Brothers, Melbourne silver

LIBRARY TABLE.
Bell Brothers, Richmond silver

CONSOLE TABLE AND GLASS.
Thallon, J. and T., Melbourne silver

**ETCHED SILVER PLATE-GLASS, AND
HAND-PAINTED FRAME.**
Brooks, Robinson and Co., Melbourne silver

PICTURE FRAMES.
Whitehead, I., jun., Melbourne silver

**CONSOLE TABLES, MIRRORS,
BRACKETS, CORNICES, MOULDINGS,
AND DECORATIONS.**
Whitelaw and Blair, Melbourne silver

FRAMED MIRRORS.
Campi, A., Melbourne silver

TWO SUITES RAILWAY FURNITURE.
Moubray, Rowan and Hicks, Melbourne silver

CANE FURNITURE.
Steinfeld, Levinson and Co., Melbourne silver

COIR MATS AND MATTING.
Miller, J., and Co., Melbourne bronze

SECOND ORDER OF MERIT.

SETTEE AND EASY CHAIRS.
Slater, E., Hawthorn certificate

UPHOLSTERY AND NEEDLEWORK.
Heinzle, J., Collingwood certificate

HORSEHAIR.
Piper, James, Collingwood certificate

**GILDING AND ORNAMENTAL LETTER-
ING ON GLASS.**
Blogg and Sons, Jolimont certificate

PIER-GLASS FRAME.
Musschialla, L., Melbourne certificate

THIRD ORDER OF MERIT.

veneers.
Schofield, W., Richmond certificate

WOOLLEN FLOCK.
Tronson and Rutherford, Carlton certificate

BEDDING MATERIAL.
Corrie, A., Melbourne certificate

HORSEHAIR.
Costello, P., Creswick certificate

VENETIAN BLINDS.
Carr and Sons, Melbourne certificate

CASTORS.
Brown, E., Benalla certificate

WICKER-WORK CHAIRS.
Dellett, W., Hotham certificate

SIDEBOARD.
Bennett, J., Melbourne certificate

BOTTLE RACKS.
Hall, A., Williamstown certificate

FENDERS AND IRON FURNITURE.
Lyster and Cook, Melbourne certificate

**LUNCHEON - TABLES, FOLDING
CHAIRS, AND GARDEN SEATS.**
M'Lean Brothers and Rigg, Mel-
bourne certificate

GRAINED PANELS
Carter, J., Emerald Hill certificate

**IMITATION GRAINING IN OAK, CEDAR,
AND MARBLE.**
Bolton, J., Richmond certificate

FOURTH ORDER OF MERIT.

IMITATION WOODS AND MARBLES.
Heathcote, T. S., Carlton certificate

FURNITURE.
Steinfeld, Levinson and Co., Mel-
bourne certificate

BRASS-MOUNTED AND IRON BED-STEADS.		DRAWINGROOM SUITE.	
Wadley, J., Collingwood	certificate	Steimble, A., Melbourne	certificate
SECRETAIRE BOOKCASE.		INLAID TABLE.	
Trapp, L., Williamstown	certificate	Rowland, T., Carlton	certificate
MODEL CHEST OF DRAWERS.		BEDROOM & DRAWINGROOM SUITES.	
Trapp, A., Williamstown	certificate	Cohen Bros., Melbourne	certificate
SIDEBOARD.		GRAINING AND DECORATOR'S PANEL.	
Lachal, G., Melbourne	certificate	Drewe, J., and Son, Windsor	certificate
		PICTURE FRAMES AND MOULDING.	
		Norman, W. J., Melbourne	certificate

FIFTH ORDER OF MERIT.

BEDROOM SUITE.		INLAID TABLE.	
Brearley, Josephine, Kew	certificate	Tieman, F., Abbotsford	certificate
DRAWINGROOM SUITE.		DECORATIVE PAINTING ON GLASS AND PANELS.	
Uggles, E., Carlton	certificate	Moore, J., and Son, Fitzroy	certificate
INLAID MARBLE CHESS TABLE.		FANCY BRACKETS.	
Bennett, G. R., South Yarra	certificate	Blight, C., Collingwood	certificate
WOOD AND CANE SEATED CHAIRS.		CHECK TILLS.	
Plumridge, J., Richmond	certificate	Wehsack, F., Melbourne	certificate

Jury Section X.—GLASS AND POTTERY.

FIRST ORDER OF MERIT.

STONEWARE FOR CHEMICAL AND DOMESTIC PURPOSES.		DRAIN PIPES AND BRICKS.	
Hoffman Patent Steam Brick Co., Melbourne	silver	Hoffman Patent Steam Brick Co., Melbourne	silver
		FANCY GLASSWORK.	
		Woodroffe Glassblowers, Melbourne	bronze

SECOND ORDER OF MERIT.

GLASS BOTTLES.	
Melbourne Glass Bottle Works, Melbourne	certificate

THIRD ORDER OF MERIT.

POTTERY.		FISH GLOBES.	
Guthrie, C. G., Sandhurst	certificate	Beer, C., Melbourne	certificate
TILES.		PORCELAIN PLACQUE.	
Australian Tile Works, Malvern	certificate	Nicholson, Lady, Melbourne	certificate

FOURTH ORDER OF MERIT.

GLASSWARE.		POTTERY.	
Australian Glass Manufacturing Co., Melbourne	certificate	Nolan, L., Melbourne	certificate
Melbourne Glass Bottle Works, Melbourne	certificate	STONEWARE.	
		Cornwell, A., Melbourne	certificate

FIFTH ORDER OF MERIT.

POTTERY.		WINDOW-GLASS AND MIRRORS.	
Wilson and Ridge, Melbourne	certificate	Bell, J., Melbourne	certificate
GLASSWARE.			
Floyd, S., Melbourne	certificate		

Jury Section XI.—JEWELLERY AND SILVERSMITHS' WORK.

FIRST ORDER OF MERIT.

GOLDSMITHS' & SILVERSMITHS' WORK.		MEDALS AND MODELS OF MEDALS.	
Edwards and Kaul, Melbourne	silver	Holloway, H. W., Melbourne	bronze
GOLD AND SILVER JEWELLERY.			
Denis Bros., Melbourne	silver		
Kilpatrick and Co., Melbourne	silver		

SECOND ORDER OF MERIT.

GOLDSMITHS' & SILVERSMITHS' WORK.		GOLD AND SILVER JEWELLERY.	
Danks, J., Melbourne	certificate	Larard and Sons, Melbourne	certificate
Gaunt, T., Melbourne	certificate		
Kilpatrick and Co., Melbourne	certificate		
ENAMELLING ON GOLD AND SILVER.		ELECTRO-PLATE GOODS.	
Rowland, J. R., Melbourne	certificate	Gartner, M., Melbourne	certificate

THIRD ORDER OF MERIT.

GOLDSMITHS' AND SILVERSMITHS' WORK.			
Marks, J., Melbourne	certificate	Stokes and Martin, Melbourne	certificate
Schafer, C., Melbourne	certificate		

FOURTH ORDER OF MERIT.

GOLDSMITHS' & SILVERSMITHS' WORK.		GEMS AND PRECIOUS STONES.	
Altman, E. A., Melbourne	certificate	Spink, H., Melbourne	certificate
GOLD AND SILVER JEWELLERY.			
Armfield Bros., Melbourne	certificate		
IMITATION JEWELLERY.		FERRO-CALCITES, MOUNTED.	
Dubroca, G., Melbourne	certificate	Cutten, W. H., Melbourne	certificate

Jury Section XII.—CIVIL ENGINEERING, PUBLIC WORKS.

FIRST ORDER OF MERIT.

GASALIERS.		BRICKS AND TILES.	
Douglas and Sons, Melbourne	gold	Hoffman Patent Brick and Tile Co., Brunswick	silver
THE S. M'CAUGHEY PATENT AUTOMATIC FOUR-WHEEL EARTH-SCOOP.			
Munro, David, and Co., Melbourne	gold	ORNAMENTAL TILES.	
GAS-HEATING STOVES, GRILLS, AND IRON-HEATING STOVES.		Cawkwell, H. A., Malvern	silver
Jeans, S. E., St. Kilda	silver	EARTH CLOSETS.	
		Draper and Sons, Melbourne	silver

DRAIN PIPES.		GAS COOKING STOVES.	
Cornwell, A., Melbourne	silver	Walker, A. R., Melbourne	silver
SHIPS' LAMPS.		MARBLE MANTELPIECES.	
Paterson, J., Melbourne	silver	Chambers and Clutton, Melbourne	silver
LOCOMOTIVE HEAD-LIGHT, OR STEAM-BOAT LAMP.		BUTCHERS' WINDOW FITTINGS.	
Paterson, J., Melbourne	silver	Brown, T., Melbourne	bronze
STEAMBOAT LAMPS.		WASHING MACHINE.	
Faul, J. W., Sandhurst	silver	Ford, R. G., East Brighton	bronze
ENAMELLED SLATE SANITARY WARE AND MANTELPIECES.		Walls, John, Camperdown	bronze
Wilson, Corben and Co., Melbourne	silver	Wolter and Echberg, Melbourne	bronze
COOKING RANGES.		FREESTONE.	
Lyster and Cooke, Melbourne	silver	Galbraith and Watkins, Stawell	bronze
M'Lean Bros. and Rigg, Melbourne	silver	GRANITE.	
		United Shire of Metcalfe, Metcalfe	(3)

SECOND ORDER OF MERIT.

BRICKS.		BATH HEATERS.	
Wolstencroft, John, Sandhurst	certificate	Jeans, S. E., St. Kilda	certificate
LIME.		Walker, A. R., Melbourne	certificate
Walker, R. B., Lara	certificate	MONUMENTAL MASONS' WORK.	
IRON STAIRCASE.		Atyeo, F., Carlton	certificate
Hutchison, J., Melbourne	certificate	WINDOW-SASHES AND ROLLER BLINDS.	
MODEL VENTILATOR.		Carr and Sons, Melbourne	certificate
Knobell, G. A., Hotham	certificate	M'Pherson, Daniel, Fitzroy	certificate
OVENS.		RANGE AND SHIPS' STOVE.	
Harnwell, W., Hotham	certificate	Pullinger, F., Melbourne	certificate
EARTH-SCOOPS.		COLONIAL OVENS AND STOVES.	
Robinson, T., and Sons, Melbourne	certificate	Cochrane and Scott, Melbourne	certificate
EARTH CLOSETS.		Wallis Bros. and Co., Collingwood	certificate
Fouracre and Sons, Melbourne	certificate	WASHING MACHINES.	
DRAIN PIPES.		Baker, John, Emerald Hill	certificate
Nolan, Luke, Brunswick	certificate	MARBLE MANTELPIECES.	
STEAMBOAT LAMPS.		Train, W., and Co., Emerald Hill	certificate
Connelly, T. J., Sandhurst	certificate	WARATAH LIMESTONE.	
		Wischer, W., Melbourne	certificate

THIRD ORDER OF MERIT.

STEAMBOAT LAMPS.		COLONIAL OVENS AND STOVES.	
Morphet, J. H., Echuca	certificate	Andrews, Charles, Geelong	certificate
MONUMENTAL MASONS' WORK.		Parker, J., and Co., Melbourne	certificate
Taylor, James, Sandhurst	certificate	WASHING MACHINES.	
WINDOW-SASHES AND ROLLER BLINDS.		Flood, F., Melbourne	certificate
Davis, James, North Richmond	certificate	GAS STOVES.	
Sexton, Mrs. Nellie, Melbourne	certificate	Martin, C.	certificate

(3) Certificate equal to bronze.

FOURTH ORDER OF MERIT.

COLONIAL OVENS AND STOVES.

Goby, A., Melbourne	certificate
Hutchison, J., Melbourne	certificate
Parker, J. A., and Co., Geelong	certificate
Williams, T., Collingwood	certificate

BUILDING STONE.

Swanston, Willis and Stephen, Geelong	certificate
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HONOURABLE MENTION.

TAILORS' IRON, HEATED BY GAS.

Brown, W., Melbourne	certificate
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MODEL KITCHEN.

Samson, J. M., Hotham	certificate
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MODEL CATHEDRAL.

McGowan and Son, Carlton	certificate
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MODEL SPIRAL STAIRCASE.

Patterson, A. J., Fitzroy	certificate
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MODEL GLASSWORKS.

Liegfriedt, E., Emerald Hill	certificate
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PATENT COMPRESSED FUEL AND
FIREBALLS.

Hunter, A. D., Lal Lal	certificate
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HIGH-PRESSURE RANGE BOILERS.

Nicholson, James, Collingwood	certificate
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COFFEE-HEATERS.

Paterson, James, Melbourne	certificate
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BUILDING STONES.

Barrabool Shire Council, Mount Moriac	certificate
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Jury Section XIII. & XXII.—CHEMICAL AND PHARMACEUTICAL
PRODUCTS.

FIRST ORDER OF MERIT.

EUCALYPTUS PREPARATIONS.

Bosisto, J., Richmond	gold
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MINERAL ACIDS.

Cuming, Smith and Co., Footscray	gold
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MINERAL ACIDS, CHEMICAL AND
PHARMACEUTICAL PREPARATIONS.

Felton, Grimwade and Co., Melbourne	gold
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SOAPS AND CANDLES.

Apollo Stearine Candle Co., Melbourne	gold
Kitchen, J., and Sons, Melbourne	gold

DAHLKE'S IMPROVED PATENT SILI-
CATED CARBON FILTER.

Adams, R. T., Melbourne	gold
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DRIPSTONE FILTER.

Middleton, A. G., Melbourne	gold
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IMPROVED WATER FILTER.

Temperley Bros., Richmond	gold
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CHEMICAL MANURES.

Cuming, Smith and Co., Footscray	silver
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TRANSPARENT TOILET SOAPS.

Apollo Stearine Candle Co., Melbourne	silver
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TOILET SOAPS.

Kitchen, J., and Sons, Melbourne	silver
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SULPHATE OF AMMONIA AND POU-
DRETTE MANURE.

Hesse, L., St. Kilda	silver
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GLUE AND ANIMAL OILS.

Fitz Brothers, Sandridge	bronze
Gardiner, George, Geelong	bronze
Walker, F., Preston	bronze

WATTLE BARK.

Michaelis, Hallenstein and Co., Mel- bourne	bronze
Pow, J. K., and Co., Melbourne	bronze

MARKING INK.

Marks, N. S., Melbourne	bronze
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ANTI-FOULING COMPOSITION.

Borthwick, A., Melbourne	bronze
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BLACKING.

Alcock, P. C., Melbourne	bronze
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LEATHER DRESSINGS.

Graham, G. L., Melbourne	bronze
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CULINARY AND HOUSEHOLD PRE-
PARATIONS.

Lewis and Whitty, Melbourne	bronze
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BAKING POWDERS.

Lewis and Whitty, Melbourne	bronze
Norris, J. M., Melbourne	bronze

SECOND ORDER OF MERIT.

SOAPS.		EAU DE COLOGNE.	
Peters, E. P., Dunolly	certificate	Atkin, C. A., Melbourne	certificate
SOAP AND CANDLES.		Longmore, F., Melbourne	certificate
Smith, A., and Co., Melbourne	certificate	LAVENDER WATER, TOILET VINEGAR, AND TOILET SOAP.	
PURE CARBON FILTER.		Hemmons, Laws and Co., Mel- bourne	certificate
Holt, J. G., Carlton	certificate	TOILET PREPARATIONS.	
CARBON AND DRIPSTONE COMPO. FILTER.		Longmore, F., Melbourne	certificate
Middleton, A. G., Melbourne	certificate	CULINARY AND HOUSEHOLD PREPARATIONS.	
TOILET SOAPS.		Capper, S., and Co., Melbourne	certificate
Tilley and Clack, South Yarra	certificate		

THIRD ORDER OF MERIT.

BAKING POWDER.		PERFUMES AND SOAP.	
Capper, S., and Co., Melbourne	certificate	Hemmons, Laws and Co., Mel- bourne	certificate
M'Gregor, T., Melbourne	certificate		
M'Kenzie, J. F., and Co., Melbourne	certificate	PHARMACEUTICAL PREPARATIONS (SCAB PREPARATIONS).	
Stringer and Co., Melbourne	certificate	Longmore, F., Melbourne	certificate
VEGETABLE EXTRACTS AND CASTOR OIL.			
Guilfoyle, W. R., Melbourne	certificate		

FOURTH ORDER OF MERIT.

QUININE WINE.

Atkin, C. A., Melbourne	certificate
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FIFTH ORDER OF MERIT.

PHARMACEUTICAL PREPARATIONS.

Kingsland, G., Melbourne	certificate
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HONOURABLE MENTION.

DISINFECTANTS.		SOAPS.	
The Australian Deodorising, Dis- infecting, and Fertilising Co.	certificate	Cawardine, M. H., Sandhurst	certificate
SHEEP-DIPPING COMPOSITION.		BLOOD MANURE.	
Hood and Co., Melbourne	certificate	Sugden, T., Footscray	certificate
DISINFECTANT, IN TINS.		PAINTS AND POWDERS.	
Sullivan, Joseph, Melbourne	certificate	Tasmanite Paint Co. Limited, Mel- bourne	certificate
SOLUBLE CARBOLIC COMPOUND.		SOAP TABLETS.	
Hesse, L., St. Kilda	certificate	Johnson, H., Geelong	certificate
PHARMACEUTICAL PREPARATIONS.			
Rocke, Tomsitt and Co., Melbourne	certificate		

Jury Section XIV.—LEATHERWORK AND FANCY ARTICLES.

FIRST ORDER OF MERIT.

BRUSHWARE, PAINTERS'.		ARTIFICIAL FLOWERS.	
Zevenboom, J., Melbourne	silver	Gaskell, Mrs. A., Melbourne	bronze
BRUSHWARE.		Simons, Mrs. E. P., Melbourne	bronze
Bryse, Alexander, Melbourne	silver	Staff, Mrs. H., Melbourne	bronze
Porteous and Gibbaud, Melbourne	silver	BROOMS.	
HAIR WORK.		Victoria Broom Manufacturing Co., Melbourne	bronze
Gant, Mrs. H. D., Melbourne	bronze		

SECOND ORDER OF MERIT.

DRESSING-CASES, WORKBOXES.		PORTMANTEAUS, TRUNKS.	
Sands and M'Dougall, Melbourne	certificate	Pausacker, Evans and Co., Melbourne	certificate
PIPES.		HAIR WORK.	
Rosenthal, S., Melbourne	certificate	Chapman, J., Melbourne	certificate
FANCY BRUSHWARE.		FANCY WOOD WORK.	
Zevenboom, J., Melbourne	certificate	Heydon, A. T., Carlton	certificate
Zevenboom and Jeffries, Melbourne	certificate		

THIRD ORDER OF MERIT.

BASKET AND STRAW WORK.		GAMES, CRICKETING APPARATUS.	
Petit, E., Melbourne	certificate	Smith, G., Melbourne	certificate
PORTMANTEAUS, TRUNKS.		HAIR WORK.	
Curtis, J., Melbourne	certificate	Gaunt, T., Melbourne	certificate
Jackson, T. C., Melbourne	certificate	LEATHERWORK, FANCY ARTICLES.	
		Detmold, W., Melbourne	certificate

FOURTH ORDER OF MERIT.

WEDDING-CAKE ORNAMENTS.		PORTMANTEAUS, TRUNKS.	
Vine, R., Melbourne	certificate	Galinski, J. J., Melbourne	certificate
DRESSING-CASES, WORKBOXES, AND CIGAR-CASES.		Leighton, J., Melbourne	certificate
Parker, C. M., Carlton	certificate	GAMES, CRICKETING APPARATUS.	
M'Laren, James, Brighton	certificate	Howard, Taylor and Sons, Kangaroo Flat	certificate
FANCY GOODS.		MECHANICAL TOYS.	
Christie, J. P., Echuca	certificate	Moore, J., and Sons, Fitzroy	certificate
Kelsall, J. E., Cape Otway	certificate		
BRUSHWARE.			
Hartley, S., Melbourne	certificate		

Jury Section XV.—COTTON, FLAX, HEMP, CLOTHING, &c.

FIRST ORDER OF MERIT.

HATS, SILK AND FELT.		UMBRELLAS AND PARASOLS.	
Hillier, E., Melbourne	gold	De Saxe and Co., Melbourne	silver
LADIES' COSTUMES.		Gittus, T., Melbourne	silver
Moubray, Rowan and Hicks, Melbourne	silver	HATS, FELT.	
UNDERCLOTHING, BABY LINEN, AND INFANTS' COSTUMES.		Shelmerdine, T., Melbourne	silver
Spedding, J. D., Melbourne	silver	Stevenson, L., and Sons, Melbourne	silver
		WIGS.	
		Dudon and Beaupin, Melbourne	bronze

SECOND ORDER OF MERIT.

SHIRTS, COLLARS, AND CUFFS.		UNDERCLOTHING.	
Henderson, S., Braeside Shirt Factory, Melbourne	certificate	Dorgan Brothers, Melbourne	certificate
WIGS.		Mack and Ellis, Melbourne	certificate
Brown, J. C., Melbourne	certificate	BONNET SHAPES.	
Eve, J. S., Melbourne	certificate	Bissmir, A., Melbourne	certificate
Graham, G., Melbourne	certificate	CLOGS.	
		Coutie, J., Melbourne	certificate

THIRD ORDER OF MERIT.

FEATHERS.		CORSETS.	
Lawrence, W., Melbourne	certificate	Atkinson, Mrs., Melbourne	certificate
Weeks, —, Melbourne	certificate	Rhodes, Mrs., Melbourne	certificate
WIGS.		WALKING-STICKS.	
Higginbotham, —, Melbourne	certificate	Martin, T., Melbourne	certificate
UNDERCLOTHING.		SLOP CLOTHING.	
Samuel, Mrs. E., Melbourne	certificate	Marks, L., and Co., Melbourne	certificate
		Clothing Co., Melbourne	certificate
		Oakley, E., Melbourne	certificate

FOURTH ORDER OF MERIT.

HATS, SILK.		MEN'S CLOTHING.	
Marsh, J. T., Ballarat	certificate	Bartlett, E. J., Melbourne	certificate
Turner, T., Melbourne	certificate		
Walworth, S., Melbourne	certificate	UNDERCLOTHING.	
		Skinner, Mrs. A., Melbourne	certificate
STITCHED TWEED AND SILK HATS AND CAPS.		CORSETS.	
Buckner, J. S., Melbourne	certificate	De Courtet, Madame, Melbourne	certificate
CAPS.		WALKING-STICKS.	
Waterman, Cohen and Co., Melbourne	certificate	Hughes, R., Melbourne	certificate
SLOP CLOTHING.		PAPER PATTERNS FOR DRESS- MAKING.	
Cantor and Loel, Melbourne	certificate	Weigel, Madame, Melbourne	certificate
Ferne, A. W. (Wholesale Clothing Co.), Melbourne	certificate	BOOTS, CLOTHING.	
		Pentridge Penal Establishment, Melbourne	certificate

FIFTH ORDER OF MERIT.

PITH HELMETS.

Ford Brothers, Melbourne	certificate
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Sub-Jury.—BOOTS.

FIRST ORDER OF MERIT.

BOOTS, BESPOKE.		BOOT UPPERS.	
Jeffries, G., Melbourne	silver	Duncan, H., Melbourne	bronze
M'Guigan, J., Melbourne	silver	M'Bean and Hickmer, Melbourne	bronze
Rosier, J., Melbourne	silver	Smith, J. J., and Co., Melbourne	bronze
Thomas, Paul, Melbourne	silver		
FACTORY BOOTS.		ORNAMENTAL STITCHING ON BOOT UPPERS.	
Wynne, J. H., Melbourne	silver	Storer, J., Melbourne	certificate

SECOND ORDER OF MERIT.

BOOT UPPERS.

Dennis, A., Melbourne	certificate
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THIRD ORDER OF MERIT.

FACTORY BOOTS.	
Coutie, J., Melbourne	certificate
Drew and Slatter, trading as "Wallis and Co.," Melbourne	certificate
Robinson, T., Melbourne	certificate

FOURTH ORDER OF MERIT.

FACTORY BOOTS.

Ashford, J. C., Melbourne
 Nicholls, —, Melbourne

certificate
 certificate

Victoria Deaf and Dumb Institute,
 Melbourne

certificate

Jury Section XVI.—WORSTED AND WOOLLEN GOODS.

FIRST ORDER OF MERIT.

WORSTED AND WOOLLEN FABRICS.

Barwon Woollen Mill Co. Limited,
 Geelong gold
 Victoria Woollen and Clothing Manu-
 facturing Co. Limited, Geelong gold
 Albion Woollen Mill Co., Geelong gold

MOHAIR.

Zoological and Acclimatisation Society,
 Melbourne (2)

SECOND ORDER OF MERIT.

WORSTED AND WOOLLEN FABRICS.

Castlemaine Woollen Co. Limited, Castlemaine certificate

THIRD ORDER OF MERIT.

WORSTED AND WOOLLEN FABRICS.

Ballarat Woollen Co. Limited,
 Ballarat certificate
 Melbourne Woollen Mill Co.,
 Melbourne certificate

SHAWLS.

Ballarat Woollen Co. Limited,
 Ballarat certificate
 Jackson, E. A., Melbourne certificate

FOURTH ORDER OF MERIT.

WORSTED AND WOOLLEN FABRICS.

Penal Establishment, Coburg certificate

Jury Section XVII.—SILK AND LACE.

FIRST ORDER OF MERIT.

EMBROIDERY AND TRIMMINGS.

Martin, Charles R., Melbourne bronze

SECOND ORDER OF MERIT.

RAW SILK.

Timbrell, Mrs. Ann, Melbourne certificate

THIRD ORDER OF MERIT.

LACE, NET, EMBROIDERY.

Moubray, Rowan and Hicks, Mel-
 bourne certificate

SHAWLS.

Ballarat Woollen Co. Limited,
 Ballarat certificate
 Jackson, Miss Ellen Ann certificate

RAW SILKS.

Page, Mrs. Robert, Melbourne certificate

FOURTH ORDER OF MERIT.

EMBROIDERY.

Burrage, Thomas A., Melbourne certificate

RAW SILK.

Talbot, Mrs. Sarah Francis, Mel-
 bourne certificate

FIFTH ORDER OF MERIT. EMBROIDERY.

Vail, M. K., Melbourne

certificate

Jury Section XVIII.—WEAPONS, &c.

FIRST ORDER OF MERIT.

LITHOFRACTEUR, BLACK.
The Australian Lithofracteur Co.,
Melbourne

silver

ENTOMOLOGICAL & ORNITHOLOGICAL
SPECIMENS.

French, C., Melbourne

bronze

ARTIFICIAL TROUT FLIES.
Shanklin, Mrs., Upper Maffra, North
Gippsland

bronze

BIRDS' EGGS.

Campbell, A. T., Melbourne

certificate

Lucas, Dr. D. P., Melbourne

certificate

North, A. T., Melbourne

certificate

SECOND ORDER OF MERIT.

STUFFED FISH.
Smith, H. A., Geelong

certificate

ENTOMOLOGICAL SPECIMENS.
Best, D., Melbourne

certificate

STUFFED BIRDS.
Leith, T. A., Melbourne

certificate

FIREWORKS.

Brock, —, Melbourne

certificate

Draper and Tillett, Melbourne

certificate

THIRD ORDER OF MERIT.

STUFFED BIRDS.

Coles, A., Kyneton

certificate

HONOURABLE MENTION.

MODEL OF TRAVELLING GUN AND
LIMBER.
M'Donald, Alexander, Melbourne

certificate

STUFFED BIRDS.

Godfrey, F. R., Melbourne

certificate

Pollard, J. F., Melbourne

certificate

MODEL OF TRAVELLING FIELD
FORGE.

Hook, Thomas, Melbourne

certificate

BIRDS' EGGS.

Swallow and Woolley, Melbourne

certificate

Jury Section XIX.—PRODUCTS OF FORESTS.

FIRST ORDER OF MERIT.

RED-GUM SLAB.
Quiggin, John E., Toolamba

silver

CASKS AND COOPERAGE.

Bonnetti, G., Melbourne

silver

Caughey, A. and R., Melbourne

silver

Gray, Waring and Co., Melbourne

silver

SECOND ORDER OF MERIT.

WOODS.
Guilfoyle, Wm. R., Botanic Gardens

certificate

CASKS.

Webber, T., Geelong

certificate

Swallow and Ariell, Melbourne

certificate

THIRD ORDER OF MERIT.

VICTORIAN WOODS.
Petersen, G. H., Emerald Hill

certificate

NATIVE WOODS.

VENEER OF AUSTRALIAN WOODS.
Schofield, W., Richmond

certificate

United Shire of Metcalfe

certificate

FOURTH ORDER OF MERIT.

TIMBER.

Ararat Borough Council

certificate

FIFTH ORDER OF MERIT.

SPECIMENS OF WOODS.

Connor, J. H., jun., Geelong

certificate

Jury Section XX.—AGRICULTURAL PRODUCTS, NOT USED FOR FOOD.

FIRST ORDER OF MERIT.

MANUFACTURED HARD TOBACCOS.

Cameron Bros. and Co., Melbourne	silver
Dudgeon and Arnell, Melbourne	silver

CUT TOBACCOS.

Cameron Bros. and Co., Melbourne	silver
Dudgeon and Arnell, Melbourne	silver
Moss, White and Co., Melbourne	silver

CIGARS.

Moss, White and Co., Melbourne	silver
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FLAX, HEMP, AND FIBRES.

Guilfoyle, W. R., Botanic Gardens, Melbourne	(2)
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SNUFF.

Dudgeon and Arnell, Melbourne	bronze
Heinecke and Fox, Melbourne	bronze
Moss, White and Co., Melbourne	bronze

GRASSES.

Walton, T., South Gippsland	bronze
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SECOND ORDER OF MERIT.

MANUFACTURED HARD TOBACCOS.

Heinecke and Fox, Melbourne	certificate
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CUT TOBACCOS.

Heinecke and Fox, Melbourne	certificate
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FLAX AND HEMP.

Doran, F., South Gippsland	certificate
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GRASSES FOR BROOMS.

Lincolne, A., Melbourne	certificate
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SNUFF.

Virginia Tobacco Manufacturing Co., Melbourne	certificate
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THIRD ORDER OF MERIT.

MANUFACTURED HARD TOBACCOS.

Virginia Tobacco Manufacturing Co., Melbourne	certificate
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CUT TOBACCOS.

Virginia Tobacco Manufacturing Co., Melbourne	certificate
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OILS.

Dodds, R., Marong	certificate
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SILK COCOONS.

Sainsbury, E. L.	certificate
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GRASSES.

Jewell, E., Loddon	certificate
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FOURTH ORDER OF MERIT.

MANUFACTURED HARD TOBACCOS.

Moss, White and Co., Melbourne	certificate
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Jury Section XXI.—WOOL.

GRAND CHAMPION PRIZE.

WOOL, PURE MERINO, EWES, WASHED, ANY AGE.	
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Wilson, Hon. Sir S., Ercildoune	gold
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MERINO WOOL, WASHED, MOST SUITABLE TWENTY-FOUR FLEECES OF ALL BREEDS.	
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Wilson, Hon. Sir S., Ercildoune	gold
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(2) Certificate equal to silver.

FIRST ORDER OF MERIT.

WOOL, MERINO, EWES, WASHED,
ANY AGE.
Russell, T., and Co., Barunah silver

WOOL, MERINO, 2-TOOTH EWES,
WASHED.
Wilson, Hon. Sir S., Ercildoune silver

WOOL, MERINO, HOGGETS, WASHED.
Wilson, Hon. Sir S., Ercildoune silver

WOOL, MERINO, HOGGETS, UN-
WASHED.
Wilson, Hon. Sir S., Ercildoune silver

WOOL, MERINO, LAMBS, WASHED.
Russell, Hon. P., Carngham silver

WOOL, MERINO, RAMS, WASHED.
Wilson, Hon. Sir S., Ercildoune silver

MERINO WOOL, EWES, UNWASHED,
ANY AGE.
Buchanan, A., Titanga, Lismore silver
Currie, J. L., Lara silver

MERINO WOOL, HOGGETS, UNWASHED.
Wilson, Hon. Sir S., Ercildoune silver

LONG WOOL, WASHED.
Hood, W. W., Barton silver
Wilson, Hon. Sir S., Corangamite silver

LONG WOOL, UNWASHED, EWES,
ANY AGE.
Rutledge Bros., Farnham Park silver

LONG WOOL, UNWASHED, RAMS.
Hood, R., Merrang, Hexham silver

SCoured WOOL, MERINO, LAMBS.
Douglass, A., Geelong silver

MOHAIR, WASHED.
Simson, Hon R., Langi Kal Kal silver

EXTRA AND SPECIAL EXHIBITS OF
WOOL.
Dowling, T., and Sons, Jellalabad silver
Greeves, E. G., Borriyalloak silver
Wallis, G., Welton Dale silver

CROSSBRED WOOL, LAMBS, WASHED.
Armstrong, W., Hexham Park silver
Armstrong, W., Hexham Park silver

MERINO WOOL, EWES, WASHED.
Greeves, E. G., Borriyalloak silver

SECOND ORDER OF MERIT.

MERINO WOOL, EWES, WASHED,
ANY AGE.
Shaw, T., Wooriwyrite certificate

MERINO WOOL, EWES, WASHED.
Russell, Hon. P., Carngham certificate

MERINO WOOL, HOGGETS, WASHED.
Wilson, Hon. Sir S., Mount Bute certificate

MERINO WOOL, LAMBS, WASHED.
Wilson, Hon. Sir S., Ercildoune certificate

LONG WOOL, WASHED.
Hood, W. W., Barton certificate

LONG WOOL, UNWASHED.
Clarke, Hon. W. J., Bolinda Vale certificate

LONG WOOL, UNWASHED, EWES,
ANY AGE.
Urquhart, A. and R., Yangery Park certificate

SCoured WOOL, MERINO.
Kaufmann, L., Woodhouse, Dunkeld certificate

SCoured WOOL, MERINO, LAMBS.
Kaufmann, L., Woodhouse, Dunkeld certificate

EXTRA AND SPECIAL EXHIBITS OF
WOOL.
Currie, J. L., Lara certificate
Degraives, C. and J., Coliban Park certificate

THIRD ORDER OF MERIT.

MERINO WOOL, EWES, WASHED,
ANY AGE.
Currie, J. L., Lara certificate
Wilson, Hon. Sir S., Ercildoune certificate

MERINO WOOL, 2-TOOTH EWES,
WASHED.
Douglass, A., Caramut certificate

MERINO WOOL, LAMBS, WASHED.
Wilson, Hon. Sir S., Mount Bute certificate

MERINO WOOL, HOGGETS, UNWASHED.
Wilson, Hon. Sir S., Mount Bute certificate

Jury Section XXIII.—LEATHER.**FIRST ORDER OF MERIT.****DRESSED SHOE LEATHER.**

Cunnack, George, Castlemaine	silver
Hayman, J. B., Melbourne	silver

SADDLERY, HARNESS, AND BELT LEATHER.

Cunnack, George, Castlemaine	silver
Hayman, J. B., Melbourne	silver

SPLIT OR SATIN HIDE.

Michaelis, Hallenstein and Co., Melbourne	silver
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KANGAROO LACES.

How Brothers, Collingwood	bronze
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SECOND ORDER OF MERIT.**SOLE LEATHER.**

Cunnack, George, Castlemaine	certificate
Gill and Boston, Richmond	certificate
Hayman, J. B., Melbourne	certificate

HARNESS LEATHER.

Brearley Brothers, Melbourne	certificate
Lloyd Brothers, Broadford	certificate
Michaelis, Hallenstein and Co., Melbourne	certificate

DRESSED SHOE LEATHER.

Abbott, J. H., and Co., Sandhurst	certificate
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SADDLERY AND HARNESS LEATHER.

Altson, D., Melbourne	certificate
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KANGAROO LACES AND LEATHER.

Reed, Archibald and Marshall, Hawthorn	certificate
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THIRD ORDER OF MERIT.**HOGSKINS.**

Lloyd Brothers, Broadford	certificate
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HARNESS LEATHER.

Abbott and Co., Sandhurst	certificate
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SOLE LEATHER.

Abbott, J. H., and Co., Sandhurst	certificate
Brearley Brothers, Melbourne	certificate
Michaelis, Hallenstein and Co., Melbourne	certificate

WAXED CALF.

Hayman, J. B., Melbourne	certificate
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SADDLERY LEATHER.

Michaelis, Hallenstein and Co., Melbourne	certificate
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SADDLERY AND BELT LEATHER.

Brearley Brothers, Melbourne	certificate
Lloyd Brothers, Broadford	certificate

FANCY LEATHER.

Wallis and Co., Richmond	certificate
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BELTING.

Munday, James, Geelong	certificate
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FOURTH ORDER OF MERIT.**PATENT ENAMELLED LEATHER.**

Dixon, James, and Co., Melbourne	certificate
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SADDLERY, HARNESS, AND BELT LEATHER.

Abbott, J. H., and Co., Sandhurst	certificate
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Sub-Jury.—SADDLES, HARNESS, &c.**FIRST ORDER OF MERIT.****SADDLES AND HARNESS.**

Altson, D., Melbourne	silver
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SADDLES, LADIES' AND GENTLEMEN'S. Guthridge, Power and Co., Melbourne	silver
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SET CART HARNESS.

Gregg and Lord, Melbourne	silver
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COLLARS.

Kermode, William, Melbourne	silver
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PLATED HARNESS FITTINGS.

Cook, J., Melbourne	silver
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WHIP-THONGS.

Brooks, A., Melbourne	bronze
Clark, F., Melbourne	bronze

SADDLE-TREES.

Edwards Brothers, Melbourne	bronze
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SECOND ORDER OF MERIT.

SADDLES.		WHIPS.	
Kinnear, G., Kilmore	certificate	Keyston, John, Melbourne	certificate
Rutledge, Joseph, Melbourne	certificate		
LADIES' SADDLES.		WHIP-THONGS.	
Potter, T. J., Melbourne	certificate	Alliband, T. J., Echuca	certificate
CARRIAGE HARNESS.		Guthridge, Power and Co., Melbourne	certificate
Wade and Rothwell, Melbourne	certificate	Henderson, F., Dandenong	certificate
CAB HARNESS.		Timming, James, Brunswick	certificate
Hatton, J., Melbourne	certificate		

THIRD ORDER OF MERIT.

BUGGY HARNESS.		WHIP-THONGS.	
Gregg and Lord, Melbourne	certificate	Kennon, J., and Son, Melbourne	certificate

Sub-Jury.—FURS.

FIRST ORDER OF MERIT.

FOREIGN, COLONIAL, DRESSED, AND DYED FURS, AND EXCELLENCE OF DRESSING AND TANNING.		COLONIAL FURS.	
Green, J. R., Fitzroy	silver	Nettleberg, M., Sandridge	silver
		HATTERS' FURS.	
		Zimmerman, Henry, Collingwood	silver

SECOND ORDER OF MERIT.

FURS.		FURS, TANNED AND DYED, WOOL MATS.	
Clark, J. R., Brunswick	certificate	Lodge, Thomas, Hawthorn	certificate

THIRD ORDER OF MERIT.

ANGORA GOAT SKINS.		MADE-UP FURS.	
Acclimatisation Society of Victoria, Melbourne	certificate	Bailey, Mrs., Queen-street	certificate

FIFTH ORDER OF MERIT.

FURS AND RUGS.		ANGORA GOAT SKINS.	
Hart, L. A., Melbourne	certificate	Brache, J., Northcote	certificate
Moss, G., Melbourne	certificate		
Schofield and Co., Yarra Flats	certificate		

Jury Section XXIV. and XXV.—AGRICULTURAL IMPLEMENTS.

FIRST ORDER OF MERIT.

MOWER.		STRIPPERS.	
Swan and Co., Melbourne	gold	Munro, G., Ballarat	gold
REAPERS AND MOWERS.		Nicholson, Joseph, Melbourne	gold
Nicholson, Joseph, Melbourne	gold	WINNOWNERS.	
REAPER.		Henderson, T., and Co., Melbourne	gold
Munro, G., Ballarat	gold	Nicholson, Joseph, Melbourne	gold
		Robinson, T., and Co., Melbourne	gold

PLOUGHS.			
Clark, James, Majorca	gold	Kelly and Preston, Ballarat	silver
Kelly and Preston, Ballarat	gold	Lennon, Hugh, Melbourne	silver
Lennon, Hugh, Melbourne	gold	M'Calman and Garde, Melbourne	silver
M'Calman and Garde, Hotham	gold		
SINGLE-FURROW PLOUGH.			
Tynan, John, Ballarat	gold	CHURNS AND CHEESE VATS.	
		Bult, G., Echuca	silver
DOUBLE-FURROW PLOUGH.			
Henderson, T., and Co., Melbourne	gold	DAIRY REQUISITES.	
		Shaw, A., and Co., Melbourne	silver
STEAM-POWER WOOL PRESSES.			
Robinson and Sons, Melbourne	gold	CHURNS.	
		Cherry, E., Gisborne	silver
RAKES, SIEVE RIMS, & BENT TIMBER.			
Perry, John, Melbourne	gold	PATENT ROTARY HARROW.	
		Cockerell, R., Melbourne	silver
CULTIVATOR.			
Edwards, D., Melbourne	silver	HORSEWORKS.	
		Munro, David, and Co., Melbourne	silver
HARROWS.			
Howden, J., Darraweit Guim	silver	WROUGHT-IRON PLOUGHSHARES.	
Lennon, Hugh, Melbourne	silver	Lennon, Hugh, Melbourne	bronze
BROADCAST SOWER.		FARM WAGGON.	
Robinson, T., and Co., Melbourne	silver	Kelly and Preston, Ballarat	bronze
CORN CRUSHER.		FARM DRAY.	
Buncle, J., Melbourne	silver	Musgrove, J., Greenvale	bronze
CHAFF-CUTTERS.		SHIVES AND SPILES.	
Buncle, J., Melbourne	silver	Mourant, J. and F., Collingwood	bronze
HORSE-POWERS.		SAUSAGE MACHINES.	
Buncle, J., Melbourne	silver	Coulsell, L. B., Melbourne	bronze
		Lugton, A., and Sons, Melbourne	bronze
HAND-POWER WOOL PRESS.			
Humble and Nicholson, Geelong	silver	DESIGNS FOR FLOUR-MILLS AND FLOUR-MILL MACHINERY.	
		Munro, David, and Co., Melbourne	bronze
WINE PRESSES.			
Robinson and Sons, Melbourne	silver	SQUATTING REQUISITES.	
		Willis, W., and Co., Melbourne	bronze
GRAPE MILLS.			
Fraser, Alexander, Melbourne	silver	VETERINARY EXHIBIT.	
		Mitchell, Graham, Melbourne	bronze
FLOUR-MILL MACHINERY.			
Bodington, R., Melbourne	silver	PATENT PLOUGH WHEEL.	
		Henderson, T., and Co., Melbourne	bronze
SCARIFIERS, CULTIVATORS, AND DIGGERS.			
Clark, James, Majorca	silver	ICE SAFES.	
		Fulton and Wylie, Melbourne	bronze
		Victoria Ice Co., Melbourne	bronze

SECOND ORDER OF MERIT.

REAPERS.		PLOUGHS.	
Henderson, T., and Co., Melbourne	certificate	Grant, J., and Co., Melbourne	certificate
Lennon, Hugh, Melbourne	certificate	Robinson, T., and Co., Melbourne	certificate
Swan and Co., Melbourne	certificate		
MOWERS.		DOUBLE-FURROW PLOUGH.	
Musgrove, James, Greenvale	certificate	Leslie, James, Marong	certificate
STRIPPERS.		POTATO DIGGERS.	
Robinson, T., and Co., Melbourne	certificate	Cockerell, R., Melbourne	certificate
SQUATTERS' PLOUGH.		HARROWS.	
Robinson and Sons, Melbourne	certificate	M'Calman and Garde, Hotham	certificate

LIFTING HARROWS.	
Edwards, D., Melbourne	certificate
ROTARY CULTIVATOR AND HARROW.	
Cockerell, R., Melbourne	certificate
CHAFF-CUTTERS.	
Swan and Co., Melbourne	certificate
HAND-POWER WOOL PRESS.	
Williams, P., Melbourne	certificate
INCUBATOR.	
Joyce, Alfred, Maryborough	certificate
TREE GUARDS.	
Harratt, Henry, Hotham	certificate
STUMP EXTRACTOR.	
Lyons, C. H., Ballan	certificate
CHURNS AND MILL TRUCKS.	
Randall, T., and Co., Fitzroy	certificate

DOUBLE-ACTION CHURN.	
Bey, P., Talbot	certificate
ICE-CREAM MACHINES AND CONFECTIONERY MACHINERY.	
Lezza, S., Melbourne	certificate
WINE CASKS.	
Webber, John, Geelong	certificate
BOTTLE RACK.	
Hall, Alexander, Williamstown	certificate
HORSE-POWERS.	
Munro, G., Ballarat	certificate
Musgrove, J., Greenvale	certificate
CONVERTIBLE HORSE-POWERS.	
Nicholson, J., Carlton	certificate
MODEL OF PLOUGH.	
Meikle, James, Marong	certificate

THIRD ORDER OF MERIT.

STEAM THRESHING MACHINES.	
Humble and Nicholson, Geelong	certificate
Robinson, T., and Co., Melbourne	certificate
SINGLE-FURROW PLOUGH.	
Edwards, D., Melbourne	certificate
Pettigrew, A., Cropley, near Belfast	certificate
POSTS AND STANDARDS FOR IRON FENCE.	
Victoria Iron Co., Melbourne	certificate

WIRE FENCE.	
M'Lean Bros. and Rigg, Melbourne	certificate
CHURNS.	
Wolter and Echberg, Melbourne	certificate
DAIRY REQUISITES.	
Radford, W. J., Melbourne	certificate
MEAT PRESS.	
Baker, J., Emerald Hill	certificate

FIFTH ORDER OF MERIT.

BINDER HEADS FOR WOOD'S MACHINE.	
Groom, B., Brunswick	certificate
HYDRAULIC STUMP EXTRACTOR.	
Wright and Edwards, Melbourne	certificate
IMPROVED FIELD EXTRACTOR.	
M'Donald, D., Melbourne	certificate
REAPER KNIFE GRINDER.	
Lennon, Hugh, Melbourne	certificate
MODEL OF A SHEEPWASH.	
Lyons, C. H., Ballan	certificate
MODELS OF DOUBLE - FURROW PLOUGH, FARM WAGGON, AND ELEVATOR.	
Reade, R., Talbot	certificate
MODEL OF DOUBLE-FURROW PLOUGH.	
Ararat Shire Council, Ararat	certificate

MODEL OF PLOUGH, SINGLE FURROW.	
Bromfield, G. J., Horsham	certificate
Byrne, J. K., Echuca	certificate
Wallis, A. R. M., Marong	certificate
Williams, G., Gippsland	certificate
MODEL OF REAPER.	
Munro, G., Ballarat	certificate
MODEL OF TOBACCO-CUTTER.	
Rouse, F., Talbot	certificate
MODEL OF PLOUGH.	
Lennon, Hugh, Melbourne	certificate
MODEL ILLUSTRATING WINE-MAKING.	
Burne, Hugh, jun., Strathfieldsaye	certificate
SHEEPWASHING RESTS.	
Wright and Edwards, Melbourne	certificate

Jury Section XXVI.—MACHINES, MACHINE TOOLS.

FIRST ORDER OF MERIT.

HORIZONTAL ENGINES.		WINDMILL.	
Wright and Edwards, Melbourne	gold	Abraham, J., Ballarat	silver
		Munro, David, and Co., Melbourne	silver
CENTRIFUGAL AND ROTARY PUMPS.		FORCE, LIFT, AND HAND PUMPS.	
Munro, David, and Co., Melbourne	gold	Danks, J., Melbourne	silver
Wright and Edwards, Melbourne	gold		
BARK MILL AND DISINTEGRATOR COMBINED.		FIELD BOILER.	
Buncle, J., Melbourne	gold	Ford, R. G., East Brighton	silver
WINDING AND PUMPING MACHINERY.		BOILER AND STEAM FITTINGS.	
Munro, David, and Co., Melbourne	gold	Danks, J., Melbourne	silver
STONE BREAKER.		FORGE BELLOWS.	
Hope, A., Yarra Bank	gold	Porta, J., and Sons, Melbourne	silver
VERTICAL ENGINE.		GAS AND WATER FITTINGS.	
Munro, David, and Co., Melbourne	gold	Danks, J., Melbourne	silver
BRASSWORK.		CRAB WINCHES.	
Danks, J., Melbourne	gold	Drysdale and Fraser, Melbourne	silver
STEAM BOILER.		POST-BORER.	
Wright and Edwards, Melbourne	silver	Munro, David, and Co., Melbourne	silver
SAW-BENCHES.		TOBACCO-CUTTING MACHINE.	
Buncle, J., Melbourne	silver	Buncle, J., Melbourne	bronze
		HAND TOBACCO-CUTTING MACHINES.	
		Groom, B., Melbourne	bronze

SECOND ORDER OF MERIT.

TRAVELLING CIRCULAR SAW-BENCH.		TIN-PRESSING MACHINE.	
Munro, David, and Co., Melbourne	certificate	Buncle, J., Melbourne	certificate
RIPPING SAW-BENCH AND TRUCKS.		DRILLING MACHINE.	
Munro, David, and Co., Melbourne	certificate	Buncle, J., Melbourne	certificate
AIR-COMPRESSING MACHINE.		TOBACCO-CUTTING MACHINES.	
Ford, R. G., East Brighton	certificate	Obermeyer, J., North Maldon	certificate
AIR-PUMPING MACHINE.		PULSOMETERS.	
Ford, R. G., East Brighton	certificate	Coltmann, E., Melbourne	certificate
WINDING ENGINES.		COUPLING SHAFT AND CRANK.	
M'Call, Anderson and Co., Melbourne	certificate	Victoria Rolling Mill, West Melbourne	certificate
PLATFORM MACHINES.		PISTON FOR STEAM HAMMER.	
Godfrey, R., Melbourne	certificate	Noble, E., and Co., West Melbourne	certificate
Jones, H., and Co., Melbourne	certificate		
WINDMILL.		DOUBLE-ACTING PUMP.	
Danks, J., Melbourne	certificate	Drysdale and Fraser, Melbourne	certificate
GENERAL WOOD-WORKING MACHINERY.		CHEESE-PRESS SCREWS.	
Scott and Young, Melbourne	certificate	Royal, J., and Sons, Carlton	certificate

HYDRAULIC STUMP EXTRACTOR AND
JINKER COMBINED.

Wright and Edwards, Melbourne certificate

LATHE.

Munro, David, and Co., Melbourne certificate

BELTING.

Munday, James, Geelong certificate

DRAWINGS FOR AGRICULTURAL
MACHINERY.

Munro, David, and Co., Melbourne certificate

THIRD ORDER OF MERIT.

VERTICAL ENGINE, WITH BOILER.

Lugton, A., and Sons, Melbourne certificate

MODEL OF ENGINE.

Hopkins, A. W. certificate

STEAM PUMPS.

Coltmann, E., Melbourne certificate

MODEL OF ENGINE AND BOILER.

Young, W. C., East Melbourne certificate

MODEL OF VERTICAL STEAM ENGINE.

Ford, W. J., East Brighton certificate

MODEL OF WINDMILL AND PUMP.

Munro, David, and Co., Melbourne certificate

DRAWINGS FOR MACHINERY.

Rigby, E. J. certificate

MARINE ENGINES.

Buchanan and Nodrum, Sand-
ridge certificate

WINDING ENGINE.

Ford, R. G., East Brighton certificate

HORIZONTAL ENGINES.

Drysdale and Roberts, Melbourne certificate

Grayson and Co., Melbourne certificate

Humble and Nicholson, Geelong certificate

Lugton, A., and Sons, Melbourne certificate

STAND SCALES AND COUNTER MA-
CHINES OF ALL DESCRIPTIONS.

Godfrey, R., Melbourne certificate

Jones, H., and Co., Melbourne certificate

KNIFE-CLEANER AND SHARPENER AND
BOOT-CLEANER COMBINED.

Watson, W. Redfern, Melbourne certificate

WATER LIFTERS.

Flood, J., Melbourne certificate

M'Comas and Co., Melbourne certificate

FOURTH ORDER OF MERIT.

MODEL OF ENGINE.

Greenwood, C. H., Melbourne certificate

DRILLING MACHINE.

Lankester, E., Colac certificate

DRAWING FOR MACHINERY.

Fullarton, G. certificate

POST-BORER.

How, H. M. C., Collingwood certificate

DOUBLE-ACTING BORING MACHINE.

Humble and Nicholson, Geelong certificate

FIFTH ORDER OF MERIT.

MODEL OF ENGINE.

Murray, R., Chiltern certificate

MODEL OF STEAM ENGINE.

Reade, R., Talbot certificate

Jury Section XXVII.—CARRIAGES.

FIRST ORDER OF MERIT.

LANDAUS, C AND UNDER-SPRING.

Ewing Brothers, Melbourne gold

LANDAUS, ELLIPTICAL S 5-LIGHT.

Stevenson and Elliot, Melbourne gold

LORRY.

Harding, William, Collingwood silver

BAROUCHE, ELLIPTIC, ENCLOSED.

Crutch, W., and Co., Melbourne silver

BROUGHAMS, C ELLIPTIC SPRINGS.

Stevenson and Elliot, Melbourne silver

BROUGHAMS, DOUBLE-SEATED.

Ewing Brothers, Melbourne silver

VICTORIA PHAETON, EXTENDED TOP.

Ewing Brothers, Melbourne silver

STANHOPE HEAD PHAETON.

Stevenson and Elliot, Melbourne silver

WAGGONETTES, OPEN.		WAGGON.	
Crutch, W., and Co., Melbourne	silver	Kelly and Preston, Ballarat	bronze
WAGGONETTES, ENCLOSED.		DRAY.	
White, D., Melbourne	silver	Musgrove, James, Greenvale	bronze
OPEN SINGLE-SEATED CONCORD BUGGY.		CARRIAGE SPRINGS.	
Stephens Brothers, Warrnambool	silver	Evans, W., Melbourne	bronze
DOUBLE-SEATED TOP BUGGY.		CARRIAGE SPRINGS AND MOUNTINGS.	
White, D., Melbourne	silver	Hewit, E., Geelong	bronze
OPEN PARK PHAETON.		ARTICLES USED IN CARRIAGE BUILDING.	
White, D., Melbourne	silver	Perry, J., Melbourne	bronze
HANSOM.		AXLES.	
Samwells, H., Melbourne	silver	Royal, Henry, Carlton	bronze
DOUBLE-SEATED EXTRA TOP BUGGY PHAETON.		DRAY AND BUGGY AXLES.	
Samwells, H., Melbourne	silver	Noble, E., and Co., Melbourne	bronze

SECOND ORDER OF MERIT.

LANDAU, ELLIPTIC, 5-LIGHT.		SULKIES.	
Crutch, W., and Co., Melbourne	certificate	Royal, J., and Son, Melbourne	certificate
BROUGHAMS, DOUBLE-SEATED.		MAIL CART.	
Crutch, W., and Co., Melbourne	certificate	Victorian Carriage Co., Melbourne	certificate
STANHOPE HEAD PHAETON.		CARRIAGE AND BUGGY SPRINGS.	
Ewing Brothers, Melbourne	certificate	Armfield, T. G., Melbourne	certificate
STANHOPE OPEN PHAETON.		AXLES.	
Strickland and Sons, Melbourne	certificate	Rose, James, Melbourne	certificate
Williams, M., and Sons, Melbourne	certificate	ELECTRO-PLATE CARRIAGE MOUNTINGS.	
DOUBLE-SEATED CONCORD TOP BUGGIES.		Sturtevant, B., Melbourne	certificate
OPEN PARK PHAETON.		SINGLE-SEATED TOP BUGGY, ENCLOSED END.	
Harvie, J., Melbourne	certificate	Samwells, H., Melbourne	certificate
HANSOM.			
Burton, J. H., and Sons, Melbourne	certificate		

THIRD ORDER OF MERIT.

BROUGHAMS, DOUBLE-SEATED.		BICYCLES.	
Victorian Carriage Co., Melbourne	certificate	Ross, D., Toorak	certificate

FIFTH ORDER OF MERIT.

WAGGONETTES, ENCLOSED.		ECCENTRIC BUGGY LOCK.	
Stockton, J. H., Melbourne	certificate	Carroll, E., Melbourne	certificate

HONOURABLE MENTION.

WHITECHAPEL DOG-CART.		BATH CHAIR AND PERAMBULATOR.	
Sharpe, A., Melbourne	certificate	Houghton and Co., Melbourne	certificate
INVALID'S CHAIR & PERAMBULATORS.		PERAMBULATORS.	
Gardiner, H., Melbourne	certificate	Petit, Edgar, Melbourne	certificate

Jury Section XXVIII.—RAILWAYS, MINING, AND METALLURGY.

FIRST ORDER OF MERIT.

FOUL-AIR EXHAUSTERS.		LEAD MANUFACTURE.	
Ford, R. G., East Brighton	gold	M'Ilwraith, J., Melbourne	silver
AIR COMPRESSORS.		IRON CASTINGS.	
Ford, R. G., East Brighton	gold	Dangerfield and Co., Melbourne	silver
STONE BREAKERS.		Drysdale and Fraser, Melbourne	silver
Hope, A., Yarra Bank	gold	MINERALS.	
STEAM LORRY.		Nicholas, H. B., Castlemaine	silver
Phoenix Foundry Co., Ballarat	gold	CRYSTALLISED GOLD.	
MANUFACTURED IRON AND STEEL.		Rowe, E. W. H., Fryer's Creek	silver
Victoria Iron Rolling Co., Melbourne	gold	TIN.	
LEAD AND ANTIMONY.		Dyring, W., Tallangatta	silver
Hughes and Preston, Collingwood	silver	INLAYING TOOLS, CUTLERY, AND SMALL TOOLS.	
STRONG WIRE GRATING FOR SCREENING.		Walker, J., Emerald Hill	silver
Young, Peter, Melbourne	silver	MASONS' PATENT AXES, HAMMERS, PICKS, AND TROES.	
CRUCIBLES.		Mathieson, J., Melbourne	silver
Bright Bros., Melbourne	silver	BUTCHERS' SAW-FRAME, LEATHER-WORKERS' AND MOULDERS' TOOLS.	
BOLTS, NUTS, AND SCREWS.		Marsden, A., Footscray	silver
Brierly, W., Emerald Hill	silver	MASONS' PATENT AXES, CHISELS, AND SMALL TOOLS.	
MINING SIGNALS.		Letham, J., Melbourne	silver
Cottew, J. E., Melbourne	silver	MINERALS, ROCKS, AND FOSSILS.	
MINERS' TOOLS.		Mining Department, Melbourne	(2)
Hillman, J., Melbourne	silver	GOLD.	
ARTESIAN BORING MACHINE.		Bank of Australasia, Melbourne	(2)
Wright and Edwards, Melbourne	silver	National Bank of Australasia, Melbourne	(2)
GOLD LEAF.		SMELTING & ASSAYING APPARATUS.	
Evett, W., Emerald Hill	silver	Her Majesty's Mint, Victoria	(2)
GALVANISED-IRON AND TINWARE.		DESIGNS FOR VARIOUS KINDS OF MINING MACHINERY.	
Connelly, T. J., Sandhurst	silver	Munro, David, and Co., Melbourne	bronze
Hughes and Harvey, Melbourne	silver	BIRD CAGES.	
Shaw and Co., Melbourne	silver	Rowley, W. and G., Melbourne	bronze
HORSE-SHOES, HAND-MADE.		TASMANITE FACING POWDER, FOR SMALL AND FINE CASTINGS.	
Carey, W., Melbourne	silver	Tasmanite Manufacturing Co., Melbourne	bronze
Furley, J., Carlton	silver	MODELS OF MINING ENGINES.	
Lancaster, J., jun., Fitzroy	silver	Ford, R. G., East Brighton	bronze
STAR ANTIMONY, POT METAL AND CRUCIBLES.		PLANS OF MINES.	
Bright Bros., Melbourne	silver	Department of Mines, Melbourne	(3)
WIRE WORK AND WOVE WIRE.			
Greer and Ashburner, Melbourne	silver		
M'Intosh, H., Melbourne	silver		
Young, Peter, Melbourne	silver		

(2) Certificate equal to silver.

(3) Certificate equal to bronze.

PROCESS OF REFINING GOLD.
Miller, F. Bowyer, Melbourne (3)

SPECIAL ASSAY APPARATUS AND
ILLUSTRATIONS.
Foord, G., and Barton, R., Melbourne (3)

FURNACE BLOCK.
Blackwell, W., Melbourne (3)

MACHINE FOR CUTTING BAYS OF ONE
SIZE AND WEIGHT, AND GAUGER'S
TRIAL PRESS FOR CUTTING BLANKS.
Bint, G., Melbourne (3)

IMPROVEMENTS IN AUTOMATIC
WEIGHING MACHINES.
Skilton, —, Melbourne (3)

COLLABORATORS, HER MAJESTY'S
MINT.
F. Bowyer Miller, G. Foord, R. Barton, W.
Blackwell, G. Bint, and — Skilton.

GEOLOGICAL SKETCH OF VICTORIA.
Department of Mines, Melbourne (3)

PLANS OF MINES AND MINING
MACHINERY.
School of Mines, Sandhurst (3)

SECOND ORDER OF MERIT.

MINERS' TOOLS.
Mathieson, J., Melbourne certificate

ROCK-BORERS.
Ford, R. G., East Brighton certificate

GALVANISED IRON AND TINWARE.
Radford, W. J., Melbourne certificate

PEWTER AND TINWARE.
Selle, C. H., Carlton certificate

HORSE-SHOES, HAND-MADE.
Baird, R. F., Geelong certificate
Kelly, J. F., Melbourne certificate
Pemberton, F., Melbourne certificate
West, J. and B., Melbourne certificate

BIRD CAGES.
Crook and Busst, Melbourne certificate

SINGLE AND DOUBLE PUMPING GEAR
FOR MINING PURPOSES.
Munro, David, and Co., Melbourne certificate

MINING EXHIBIT.
School of Mines, Sandhurst certificate

TERTIARY FOSSILS.
Bailey, J. F., Melbourne certificate

FOSSILS.
Cresswell, Rev. A. W., Camberwell certificate

COBALTIFEROUS MANGANESE ORE.
Braché, J., Northcote certificate

GYPSUM.
Jewell, E., Bridgewater certificate

COAL.
Kissane, W. K., "Reward Co.,"
Cape Patterson certificate

MANUFACTURED IRON AND STEEL.
Bendigo Iron Works, Melbourne certificate
Glasgow Iron Works, Melbourne certificate

MASONS' AND SLATERS' HAMMERS
AND CHISELS.
Horne, A., Fitzroy certificate

WINDING GEAR.
Ford, R. G., East Brighton certificate
Munro, David, and Co., Melbourne certificate

THIRD ORDER OF MERIT.

SINGLE AND DOUBLE PUMPING GEAR
FOR MINING PURPOSES.
Ford, R. G., East Brighton certificate

IRON CASTINGS.
White, J., Melbourne certificate

MINERAL EXHIBIT.
Duncan, R. D., Melbourne certificate

COKE (COAL).
Westernport Coal Co., Kilcunda certificate

LIGNITE, FROM M'KIRLEY'S CREEK,
MOE, GIPPSLAND.
Carter, G. D., M.P., Melbourne certificate

SMALL CASE OF SAMPLE HAMMERS.
Parker, E., Sandhurst certificate

SHEEP SHEARS.
Bruff and White, Emerald Hill certificate

BATTERIES, MODELS AND MACHINERY
CONNECTED.
Langlands Foundry Co., Melbourne certificate

WIRE FOR FENCING.
White, J., Melbourne certificate

FOURTH ORDER OF MERIT.

MINERALS AND ROCKS.

Alderdice, A. (Beechworth Committee), Beechworth certificate

ROCK EXHIBIT, WITH DESCRIPTION
BY A. W. HOWITT, ESQ., P.M.

Parker, W., Walhalla certificate

ANTIMONY ORE AND PRODUCTS.

Bombay Gold and Antimony Mining Co., Heathcote certificate

INFUSORIAL EARTH OF SUPERIOR
QUALITY, USED IN THE MANUFACTURE OF DYNAMITE.

Mackenzie, Lewis, Amherst certificate

AURIFEROUS QUARTZ SPECIMENS.

Hole, T., Daylesford certificate

AURIFEROUS QUARTZ SPECIMENS
AND ALLUVIAL.

Holstein, G., Freeburgh certificate

HONOURABLE MENTION.

DESIGNS OF VARIOUS KINDS OF
MACHINERY.

Bland, R. H., Clunes certificate

Rosales, H., Walhalla certificate

Thomson, R., Walhalla certificate

PLANS OF MACHINERY.

Delbridge, P., Sandhurst certificate

HORSE-SHOES, HAND-MADE.

Murvell, A., Geelong certificate

EXTRACTION OF GOLD.

Rosales, H., Walhalla certificate

LOCKS MADE BY A BOY.

Hyatt and Sons certificate

GOLD.

Alabama and Butler's Reef Co., Heathcote certificate

Egerton Gold Mining Co., Egerton certificate

Kennedy, J. R., Gaffney's Creek certificate

Nicholls, C. F. (Bell's Reef and others), Melbourne certificate

Queen's Birthday Co., Dunolly certificate

Rowe Brothers, Fryer's Creek certificate

DRAWINGS, PLANS OF ENGINES.

Harding, R., Hotham certificate

Kelly, R., Fitzroy certificate

Rigby, E. J., Melbourne certificate

Mowling, G., Windsor certificate

Robertson, A., Emerald Hill certificate

Fullerton, G., Carlton certificate

Cohen, E. D., Melbourne certificate

Blanche, H. B., Melbourne certificate

MODELS OF NUGGETS.

Mining Department of Victoria, Melbourne certificate

PLATES OF FOSSIL FRUIT.

Mining Department of Victoria, Melbourne certificate

SAFETY CAGES.

Allen, J., Ballarat certificate

Munro, David, and Co., Melbourne certificate

McKay, J., Ballarat certificate

Matthews, W., Ballarat certificate

Seymour, J. H. certificate

Trezise, H., Sandhurst certificate

White, D., Stawell certificate

Sub-Jury.—RAILWAY APPLIANCES.

FIRST ORDER OF MERIT.

LOCOMOTIVE ENGINE AND TENDER.

Phoenix Foundry Co., Ballarat gold
Victorian Railway Department, Williamstown (1)

STATE CARRIAGES.

Victorian Railway Department, Williamstown (1)

AUTOMATIC CONTINUOUS BRAKE.

Woods, Hon. John, Edom, near Williamstown gold

RAILWAY CARRIAGE SPRINGS AND
IRONWORK.

Evans, W., Emerald Hill silver

LOCOMOTIVE DRIVING AND CARRIAGE
WHEELS.

Langlands Foundry Co., Melbourne silver

RAILWAY LAMPS.

Paterson, J., Melbourne silver

AXLES AND SPRINGS.

Victorian Railway Department, Williamstown (2)

(1) Certificate equal to gold.

(2) Certificate equal to silver.

SECOND ORDER OF MERIT.

MODEL OF LOCOMOTIVE ENGINE AND
TENDER.

Jordan, J., Melbourne certificate

TRAIN RAILS.

Victorian Iron Rolling Mills,
Melbourne certificate

POINTS AND CROSSINGS.

Thompson and Co., Castlemaine certificate

THIRD ORDER OF MERIT.

RAILWAY BUFFERS.

Noble, E., Melbourne certificate

HONOURABLE MENTION.

MODEL OF LOCOMOTIVE ENGINE AND
TENDER.

Barrett, G. G., Melbourne certificate

MODEL OF RAILWAY CARRIAGE.

Frencham, Gainfort, Melbourne certificate

MODEL OF ELECTRIC BRAKE.

Milligan and Wheeler, Melbourne certificate

Jury Section XXIX.—TELEGRAPHIC APPARATUS, &c.

FIRST ORDER OF MERIT.

TORPEDO SIGNAL AND TELEGRAPH APPARATUS.

Joseph Bros., Melbourne silver

SECOND ORDER OF MERIT.

TELEPHONES.

Edwards, J. E., Hotham certificate

FIFTH ORDER OF MERIT.

TELEGRAPH INSTRUMENTS.

Meyers, N., Melbourne certificate

Jury Section XXX.—NAVIGATION.

FIRST ORDER OF MERIT.

HEMP, MANILLA ROPE, AND TWINES.

Donaghy, M., Geelong silver

Miller, James, and Co., Melbourne silver

SMALL LINES, TWINES, AND SASH
CORDS.

M'Nally, J., Melbourne silver

GUNNY BAGS, SACKS, AND WOOL-
PACKS.

Miller, James, and Co., Melbourne silver

HALF MODELS OF YACHTS.

Cosgrave, J., Emerald Hill silver

RACING BOATS.

Edwards, J., Melbourne silver

Greenland, W., Melbourne silver

MODELS OF LIFE-BOATS.

Strachan, C., St. Kilda silver

HALF MODELS OF YACHTS.

Murray, H. R., Emerald Hill silver

CORK LIFE-BUOY.

Firman, W. H., Brunswick silver

OARS, SCULLS, AND HANDSPIKES.

Edwards, J., Melbourne bronze

SHIPS' BLOCKS AND SHEAVES.

Sutherland, G., Williamstown bronze

FLAGS.

Morgan, W., Melbourne bronze

SECOND ORDER OF MERIT.

FULL MODELS OF VESSELS.		APPARATUS FOR PREVENTING FIRE AT SEA.	
Durand, W., Emerald Hill	certificate	Handfield, F. O., South Yarra	certificate
Meyer, L., St. Kilda	certificate		
Roberts, W. J., East Melbourne	certificate		
Selby, J., Emerald Hill	certificate	HEMP, MANILLA COIR ROPES, SMALL LINES, AND TWINES.	
White, A., Williamstown	certificate	Dougal, D. E. M., and Co., Melbourne	certificate
RACING BOATS.			
Fuller, R. S., Melbourne	certificate		
ROWLOCKS.		MODELS OF LIFE-BOATS.	
Edwards, J., Melbourne	certificate	Stevenson, James, Sandhurst	certificate

THIRD ORDER OF MERIT.

MODELS OF LIFE-BOATS.		APPARATUS FOR PREVENTION OF FIRE AT SEA.	
Burman, H. W., Flemington	certificate	Wooldridge, W., South Yarra	certificate
FULL MODELS OF VESSELS.			
Stevens, T. C. L., Kyneton	certificate		
Thirkettle, W. J., Kyneton	certificate		
Williams, H. W. L., Melbourne	certificate		
HALF MODELS OF YACHTS.			
Gordon, W. W., Emerald Hill	certificate	CORK LIFE-BUOYS AND BELTS.	
Watts, W. K., East Melbourne	certificate	Dawbarn, W. H., and Sons, Melbourne	certificate
White, G., Williamstown	certificate		

FOURTH ORDER OF MERIT.

FULL MODELS OF VESSELS.			
Brierley, E., Essendon	certificate	Prendergast, M., Fitzroy	certificate

FIFTH ORDER OF MERIT.

FULL MODEL OF VESSEL.			
Sager, A., Footscray	certificate	Connor, W., Geelong	certificate

Jury Section XXXI. and XXXII.—CEREALS, CONDIMENTS, AND STIMULANTS.

FIRST ORDER OF MERIT.

PEARL BARLEY.		PRESERVED TART FRUITS.	
Bencraft, G., and Co., Melbourne	silver	Oldmeadow, T., Dunolly	silver
Harper, R., and Co., Melbourne	silver		
HOPS.			
Coranderrk Aboriginal Station, Yarra Flats	(2)	OLIVE OIL.	
Ferguson, J., Melbourne	silver	Adams, J. S., Alphington	silver
Green, J., Healesville	silver		
Taylor, J. A., Gippsland	silver	BLENDING AND PACKING OF TEA.	
		Oriental Tea Co., Melbourne	silver
MALT.			
Throssell and Tankard, South Yarra	silver	MUSCATEL RAISINS.	
		Dodds, R., Marong	silver
JAMS AND JELLIES.			
Cunliff and Paterson, Melbourne	silver	CHICORY.	
Red Cross Preserving Co., Melbourne	silver	M'Kenzie, J. F., and Co., Melbourne	silver
		Parsons Bros. and Co., Melbourne	silver

(2) Certificate equal to silver.

FLOUR.		BISCUITS, FOR NOVELTY AND VARIETY.	
Day, J., South Murchison	silver	Swallow and Ariell, Sandridge	silver
Malcolm, J., and Co., St. Arnaud	silver		
Swallow and Ariell, Sandridge	silver		
OATS, MILLING.		CAKES AND WEDDING-CAKES.	
Agricultural Association, Kyneton	(2)	Swallow and Ariell, Melbourne	silver
Lewis, M., Ballyrogan	silver		
Polson, A., Ararat	silver	CAPE BARLEY.	
		M'Connell, J., Rochford	silver
OATS, FEED.		JAMS.	
Agricultural Association, Kyneton	(2)	Hogg, T., Lilydale	silver
Irving, J. L., and Co., Melbourne	(2)		
Vaughan, C., and Co., Ballarat	(2)	ARROWROOT.	
		Hanning, T. W., Gippsland	silver
WHEAT IN SHEAF (GRAIN 1881).		CHOCOLATE CONFECTIONERY.	
Agricultural Association, Kyneton	(2)	Dillon and Burrows, Melbourne	silver
Agricultural and Pastoral Society, St. Arnaud	(2)	Victorian Confectionery Co., Melbourne	silver
Rollason, W., Baringhup	silver		
Yeaman, A., Pannoobamawm	silver	BOILED SUGARS AND ORDINARY CONFECTIONERY.	
WHEAT.		Victorian Confectionery Co., Melbourne	silver
Agricultural Society, Horsham	(2)		
Agricultural Society, Moira	(2)	CHOCOLATE, FRENCH.	
Hutchings, T. and J., Stawell	silver	M'Kenzie, J. F., and Co., Melbourne	silver
Lal Lal Flour Mills, Rupanyup	silver		
Lal Lal Flour Mills, Rupanyup	silver	CHOCOLATE, SOLUBLE.	
Polson, A., Ararat	silver	M'Kenzie, J. F., and Co., Melbourne	silver
Wimmera Flour Mill Co., Stawell	silver		
Wimmera Flour Mill Co., Stawell	silver	COCOA.	
		Harper, R., and Co., Melbourne	silver
WHEAT (GRAIN 1881).		M'Kenzie, J. F., and Co., Melbourne	silver
Duncan, W., Lallat	silver		
Government Experimental Farm, Cashel	silver	COCOA, ROCK.	
Government Experimental Farm, Cashel	silver	M'Kenzie, J. F., and Co., Melbourne	silver
WHEAT, WHITE TUSCAN.		PRESERVED FRUITS.	
Taylor, C., Dimboola	silver	Mellon, F., Dunolly	silver
OATS IN SHEAF (GRAIN 1881).		CANDIED SUGAR.	
Agricultural Association, Kyneton	(2)	Dillon and Burrows, Melbourne	silver
Meehan, John, Warragul	silver		
Schultz, Charles, Mt. Bolton	silver	FANCY CONFECTIONERY.	
Wrigley, A., Bungaree	silver	Dillon and Burrows, Melbourne	silver
		Lezza, Salvatore, Melbourne	silver
		Victorian Confectionery Co., Melbourne	silver
OATS (GRAIN OF 1881).			
Lewis, M., Ballyrogan	silver	CANDIED PEEL.	
		Dillon and Burrows, Melbourne	silver
BARLEY.		Red Cross Preserving Co., Melbourne	silver
Brown, T. J.	silver		
		TART FRUITS.	
BARLEY IN SHEAF (GRAIN 1881).		Red Cross Preserving Co., Melbourne	silver
Maxwell, D., Echuca	silver		
Yeaman, A., Pannoobamawm	silver	SUGAR, FINEST WHITE.	
		Victorian Sugar Co., Melbourne	silver
FLOUR, WHEAT, NEW.			
Duncan, W., Lallat	silver	SUGAR, THIRD COUNTERS.	
		Victorian Sugar Co., Melbourne	silver
BISCUITS.			
Guest, T. B., and Co., Melbourne	silver	CONDENSED MILK.	
Swallow and Ariell, Sandridge	silver	Capper, S., and Co., Melbourne	silver

(2) Certificate equal to silver.

CULINARY AND BOTTLED FRUITS.

Red Cross Preserving Co., Melbourne silver

NEW HOPS.

Watt, W., Bairnsdale silver

OATMEAL.

Bencraft, G., and Co., Melbourne bronze

Parsons Brothers and Co., Melbourne bronze

POTATOES.

Borough Council, Warrnambool (3)

Laurens, J., Daylesford bronze

ROASTED COFFEE.

Parsons Brothers and Co., Melbourne bronze

PURE PLANTATION GROUND COFFEE.

Harper, R., and Co., Melbourne bronze

M'Kenzie, J. F., and Co., Melbourne bronze

Parsons Bros. and Co., Melbourne bronze

DRESSED RICE.

Harper, R., and Co., Melbourne bronze

M'Kenzie, J. F., and Co., Melbourne bronze

Parsons Bros. and Co., Melbourne bronze

RICE, PADDY.

Harper, R., and Co., Melbourne bronze

M'Kenzie, J. F., and Co., Melbourne bronze

FARINA.

Patterson, R. B., Warrnambool bronze

TOMATO SAUCE, SPICED.

Comport, H., Cheltenham bronze

Kierath, C., Indigo bronze

TOMATOES, IN TINS.

Red Cross Preserving Co., Melbourne bronze

TOMATOES, IN BOTTLES.

Red Cross Preserving Co., Melbourne bronze

GENUINE MUSTARD FLOUR.

Harper, R., and Co., Melbourne bronze

M'Kenzie, J. F., and Co., Melbourne bronze

WHITE PEAS.

M'Connell, J., Rochford bronze

HORSE BEANS.

Taylor, J., Warrnambool bronze

BROAD BEANS.

Geelong and Western District Agricultural Society (3)

MAIZE.

Irving, J. L., and Co., Melbourne (3)

RYE GRASS SEEDS, NEW GRAIN.

Government Experimental Farm, Cashel (3)

GRASS SEEDS, NEW.Agricultural Association, Kyneton (3)
M'Connell, J., Rochford bronze**PRAIRIE GRASS SEEDS, NEW.**

Smith, G., Ballarat bronze

CANARY SEED.

Craike, Charles, Geelong bronze

FENNAGREEK SEED.

West, J. P. bronze

MUSTARD SEED.

West, J. P. bronze

CRESS SEED.

Craike, Charles, Geelong bronze

PEAS.

Government Experimental Farm, Cashel (3)

Government Experimental Farm, Cashel (3)

PEAS, FIELD.

Craike, Charles, Geelong bronze

Galbraith, H. L., Lancefield bronze

Yeaman, A., Pannobamawm bronze

MISCELLANEOUS SEEDS.

Government Experimental Farm, Cashel (3)

GROATS.

Bencraft, G., and Co., Melbourne bronze

Parsons Bros. and Co., Melbourne bronze

GROATS, PREPARED.

Parsons Bros. and Co., Melbourne bronze

BROSE MEAL.

M'Kenzie, J. F., and Co., Melbourne bronze

STARCH.

Lewis and Whitty, Melbourne bronze

SAUCES.

Mellon, F., Dunolly bronze

Red Cross Preserving Co., Melbourne bronze

TREACLE AND GOLDEN SYRUP.

Swallow and Ariell, Melbourne bronze

KETCHUP.

Red Cross Preserving Co., Melbourne bronze

Zorn, E., Melbourne bronze

PURE TOMATO SAUCE.

Zorn, E., Melbourne bronze

VINEGAR.

Fischer, A., Bendigo bronze

Kahland, J. D., Sandhurst bronze

Reed, H., and Co., South Yarra bronze

Trouette and Blampied, Stawell bronze

PICKLES.

Red Cross Preserving Co., Melbourne bronze

CULINARY ESSENCES.

Capper, S., and Co., Melbourne bronze

CHAFF.

Jewell, E., Loddon certificate

GROUND CAYENNE PEPPER.

Harper, R., and Co., Melbourne certificate

Parsons Bros. and Co., Melbourne certificate

GROUND BLACK PEPPER.

Harper, R., and Co., Melbourne certificate

Parsons Bros. and Co., Melbourne certificate

GROUND WHITE PEPPER.

Harper, R., and Co., Melbourne certificate

Parsons Bros. and Co., Melbourne certificate

GROUND GINGER.

Harper, R., and Co., Melbourne certificate

M'Kenzie, J. F., and Co., Melbourne certificate

Parsons Bros. and Co., Melbourne certificate

GROUND MIXED SPICE.

M'Kenzie, J. F., and Co., Melbourne certificate

Parsons Bros. and Co., Melbourne certificate

GROUND NUTMEG.

Harper, R., and Co., Melbourne certificate

M'Kenzie, J. F., and Co., Melbourne certificate

GROUND CARRAWAYS.

Parsons Bros. and Co., Melbourne certificate

TURMERIC.

Barrack, Capt. certificate

Harper, R., and Co., Melbourne certificate

GROUND CLOVES.

Parsons Bros. and Co., Melbourne certificate

GROUND CINNAMON.

Harper, R., and Co., Melbourne certificate

M'Kenzie, J. F., and Co., Melbourne certificate

Parsons Bros. and Co., Melbourne certificate

CORIANDER SEED, GROUND.

Parsons Bros. and Co., Melbourne certificate

MACE, GROUND.

M'Kenzie, J. F., and Co., Melbourne certificate

Parsons Bros. and Co., Melbourne certificate

GROUND RICE.

Parsons Bros. and Co., Melbourne certificate

SECOND ORDER OF MERIT.

FLOUR.

Bencraft, G., and Co., Melbourne certificate

Duncan, W., and Co., Lal Lal certificate

Keene, M., Koondrook certificate

Kimpton, W. J., Melbourne certificate

Malcolm, J., and Co., St. Arnaud certificate

Swallow and Son, Shepparton certificate

WHITE PEAS.

Agricultural Society, Geelong and Western District certificate

Smith, G., Ballarat certificate

DUN PEAS.

Agricultural Society, Geelong and Western District certificate

Galbraith, H. L., Lancefield certificate

HORSE BEANS.

Agricultural Society, Geelong and Western District certificate

HOPS.

Cochrane, R. and J., Gippsland certificate

MALT.

Perrin, W., jun., Richmond certificate

Stanton, J., and Co., Melbourne certificate

MALT, BROWN AND AMBER.

Throssell and Tankard, South Yarra certificate

SALT.

Berry, H., and Co., Melbourne certificate

MARMALADE.

Cunliff and Paterson, Melbourne certificate

Red Cross Preserving Co., Melbourne certificate

CURRIE POWDERS.

Lavers, A. R., Melbourne certificate

Parsons Bros. and Co., Melbourne certificate

Zorn, E., Melbourne certificate

ORDINARY CONFECTIONERY.

Dillon and Burrows, Melbourne certificate

JUJUBES.

Dillon and Burrows, Melbourne certificate

Victorian Confectionery Co., Melbourne certificate

CANDIED PEEL.

Cunliff and Paterson, Melbourne certificate

CRYSTALLISED FRUITS.

Dillon and Burrows, Melbourne certificate

PURE TOMATO SAUCE.

Brown, W. P., Melbourne certificate

TOMATO SAUCE, SPICED.

Everard, F. W., Kingston certificate

TOMATO SAUCE.

Russell, T., Kingston certificate

BLENDING AND PACKING TEA.

Ceylon and Foo Chow Co., Melbourne certificate

DOUBLE SUPERFINE MUSTARD.
Harper, R., and Co., Melbourne certificate
M'Kenzie, J. F., and Co., Melbourne certificate

OATS, FEED.
Polson, A., Ararat certificate

WHEAT.
Agricultural Society, Beaufort certificate
Agricultural Society, Beechworth certificate
Agricultural Society, Horsham certificate
Boobier, W. J., Sandhurst certificate
Charlesworth, J., Marong certificate
Deutscher, C. T., Murtoa certificate
Graves, J. H., Barnawartha certificate
Hughes, D. S., Melbourne certificate
Irving, J. L., and Co., Melbourne certificate
Jewell, Edwin, Melbourne certificate
Maxwell, D., Echuca certificate
Maxwell, D., Echuca certificate

WHEAT (GRAIN OF 1881).
Bishop, R., Baringhup certificate
Dunn, Henry, Wimmera certificate
Greenwood, J., Dimboola certificate
Maxwell, D., Echuca certificate
Marshall, D., Baringhup certificate
Parish, Mark, Wimmera certificate
Trelour, H., Sandhurst certificate
Yeaman, A., Pannooabamawm certificate

BARLEY (GRAIN 1881).
Government Experimental Farm, Cashel certificate

BARLEY, CAPE (GRAIN 1881).
Government Experimental Farm, Cashel certificate

BARLEY.
Agricultural Society, Kyneton certificate
Mitchell, P., Romsey certificate
Smith, G., Ballarat certificate

PEARL BARLEY.
M'Kenzie, J. F., and Co., Melbourne certificate
Parsons Brothers and Co., Melbourne certificate

GRASS SEED (NEW GRAIN).
Smith, G., Ballarat certificate

CANARY SEED.
Nagel, J. certificate

MUSTARD SEED.
Craig, Charles, Batesford certificate

OATS.
Agricultural Society, Beaufort certificate
Lawrens, J., Daylesford certificate
Wrigler, R., Ballarat certificate

RICE, DRESSED JAVA.
Harper, R., and Co., Melbourne certificate

RICE, DRESSED JAPAN.
M'Kenzie, J. F., and Co., Melbourne certificate

BISCUITS, WEDDING-CAKES, CAKES.
Walker, J. H., and Son, Melbourne certificate

WEDDING-CAKES.
Newman, C. T., Melbourne certificate
Vine, R., Melbourne certificate

BLACK PEPPER, GROUND.
M'Kenzie, J. F., and Co., Melbourne certificate

WHITE PEPPER, GROUND.
M'Kenzie, J. F., and Co., Melbourne certificate

MIXED SPICE, GROUND.
Harper, R., and Co., Melbourne certificate

NUTMEG, GROUND.
Parsons Bros. and Co., Melbourne certificate

CASSIA, GROUND.
Parsons Bros. and Co., Melbourne certificate

CAYENNE PEPPER, GROUND.
M'Kenzie, J. F., and Co., Melbourne certificate

ROASTED COFFEE.
Harper, R., and Co., Melbourne certificate
M'Kenzie, J. F., and Co., Melbourne certificate

PREPARED GROATS.
Harper, R., and Co., Melbourne certificate
M'Kenzie, J. F., and Co., Melbourne certificate

BROSE MEAL.
Bencraft, G., and Co., Melbourne certificate

MAIZE MEAL.
Bencraft, G., and Co., Melbourne certificate
M'Kenzie, J. F., and Co., Melbourne certificate
Parsons Bros. and Co., Melbourne certificate

MAIZENA.
Bencraft, G., and Co., Melbourne certificate

GROUND RICE.
Bencraft, G., and Co., Melbourne certificate

PICKLES AND SAUCES.
Stringer and Co., Melbourne certificate

SAUCES.
Brown, W. P., Melbourne certificate

NEW HOPS.
Taylor, J. A., Mansfield certificate
Williams, O. M., Bairnsdale certificate

THIRD ORDER OF MERIT.

WHEAT (GRAIN OF 1881).		FLOUR.	
Dahlenburg, H. F. C.	certificate	Fry, J., and Co., Dimboola	certificate
Government Experimental Farm, Cashel	certificate	Flour Mill Co., Dimboola	certificate
Pearce, H., Wimmera West	certificate		
WHEAT.		HOPS.	
Agricultural Association, Kyneton	certificate	Henley, J., Oxley	certificate
Agricultural Association, Kyneton	certificate	Redenbach, P., Gippsland	certificate
Agricultural Society, Geelong	certificate	Willis, E., Oxley	certificate
Boobier, W. J., Sandhurst	certificate		
Boobier, W. J., Sandhurst	certificate	MACARONI.	
Boobier, W. J., Sandhurst	certificate	Lugini, P., Hepburn	certificate
Baines, G. P., Merrygum	certificate		
Flour Mill Co., Kyneton	certificate	GROUND CLOVES.	
Hughes, D. S., Melbourne	certificate	Harper, R., and Co., Melbourne	certificate
Hirth, H., Dimboola	certificate		
Irving, J. L., and Co., Melbourne	certificate	OATS, FEED.	
M'Donald, J., Cohuna	certificate	Smith, G., Ballarat	certificate
Pastoral and Agricultural Society, St. Arnaud	certificate	Schmitt, L., Berwick	certificate
Taylor, J., Warrnambool	certificate	Webster, T., Moira	certificate
Vaughan, C., and Co., Ballarat	certificate		
Vaughan, C., and Co., Ballarat	certificate	ARROWROOT	
Yeaman, A., Pannooabamawm	certificate	Mission Station, Gippsland	certificate
BARLEY (GRAIN OF 1881).		MALT.	
Craike, C., Batesford	certificate	Stanton and Hood, Collingwood	certificate
Maxwell, D., Echuca	certificate	Winn, J. C., Richmond	certificate
OATS (GRAIN OF 1881).		VINEGAR, KNIFE - POLISH, BLUE, CURRIE POWDER, EGG POWDER.	
Trelour, H., Sandhurst	certificate	Capper, S., and Co., Melbourne	certificate

FOURTH ORDER OF MERIT.

WHEAT.			
Baines, G. P., Springvale	certificate	Smith, G., Ballarat	certificate
Moncrieff, J., Tabilk	certificate	Smith, J., Buninyong	certificate
Moncrieff, J., Tabilk	certificate	Trumble, R., Rutherglen	certificate
Moira Agricultural Society, Cashel	certificate	Wrigler, R., Ballarat	certificate
		Yeaman, A., Pannooabamawm	certificate

HONOURABLE MENTION.

WHEAT, SPANISH (GRAIN 1881).	
Ross, J., Stawell	certificate

Jury Section XXXIII.—MEAT AND FISH.

FIRST ORDER OF MERIT.

FRESH MEATS PRESERVED IN TINS.	
Melbourne Meat Preserving Co., Melbourne	silver

SECOND ORDER OF MERIT.

CHRISTMAS MINCE MEATS.	
Longmore, Francis, Melbourne	certificate

FOURTH ORDER OF MERIT.

CORNED BEEF, GAME, AND SOUPS.	
Western Meat Preserving Co., Colac	certificate

Jury Section XXXIV.—WINES.

SECOND ORDER OF MERIT—CERTIFICATE.

Best, Henry ...	Great Western ...	Hock	Vintage 1875
Bruhn, Albert ..	Sandhurst ...	Pedro Ximenes	" 1879
De Castella and Rowan ...	Lilydale ...	White hermitage	" 1875
De Castella and Rowan ...	" ...	" "	" 1879
De Castella and Rowan ...	" ...	" "	" "
De Castella and Rowan ...	" ...	" "	" 1875
Grosse, F. ...	Sandhurst ...	Riesling	" 1878
Johnston, J. S. ...	Sunbury ...	Hock	" 1876
Kurle, Robert ...	" ...	Riesling	" 1879
Pohl, Carl ...	Strathfieldsaye ...	Red hermitage	" 1878
Smith, L. L. ...	Nunawading ...	Crème de bouzie	" 1879

THIRD ORDER OF MERIT—CERTIFICATE.

Adamson, T. ...	Sunbury ...	Verdeilho	Vintage 1878
Best, Joseph ...	Great Western ...	Hock	" 1875
Caldwell and Co. ...	Melbourne ...	Verdeilho	" not given
Caldwell and Co. ...	" ...	Muscat	" "
Caughey, A. and R. ...	Yarra Bank ...	Shiraz, D	" 1876
Caughey, A. and R. ...	" ...	Aucarot	" "
Caughey, A. and R. ...	" ...	Sauterne	" 1878
Caughey, A. and R. ...	" ...	Gouais	" 1879
Caughey, A. and R. ...	" ...	Mataro	" 1878
Château Tahbilk ...	Tahbilk ...	Riesling	" 1876
Château Tahbilk ...	" ...	Red hermitage	" "
Château Tahbilk ...	" ...	V. Port	" 1878
Château Tahbilk ...	" ...	Ugni blanc	" 1875
Davies, J. ...	Ngarveno ...	Hock	" 1879
De Castella and Rowan ...	Lilydale ...	Riesling	" 1874
De Castella and Rowan ...	" ...	"	" 1875
De Castella and Rowan ...	" ...	Chasselas	" 1879
De Castella and Rowan ...	" ...	"	" "
De Castella and Rowan ...	" ...	Tokay	" "
De Castella and Rowan ...	" ...	Sauvignon	" "
De Castella and Rowan ...	" ...	"	" "
De Pury, G. ...	Yeringberg ...	White hermitage	" "
De Pury, G. ...	" ...	"	" "
De Pury, G. ...	" ...	"	" "
Egli, F. ...	—	Red hermitage	" 1877
Fischer, A. ...	Sandhurst ...	"	" 1875
Ford, T. ...	—	Verdeilho	" not given
Ford, T. ...	—	Shiraz, D	" "
Ford, T. ...	—	Aucarot	" 1875
Fox, A. W. ...	Sandhurst ...	Carbinet	" 1877
Fulton, E. G. ...	Murray ...	Verdeilho	" "
Gordon, C., and Son ...	Axedale ...	"	" 1879
Griefenhagen, W. ...	Strathfieldsaye ...	Riesling	" 1878
Griefenhagen, W. ...	" ...	Verdeilho	" "
Griefenhagen, W. ...	" ...	"	" 1877
Grosse, F. ...	Sandhurst ...	Carbinet	" 1878
Grosse, F. ...	" ...	Tokay	" "
Grosse, F. ...	" ...	Verdeilho	" "
Grosse, F. ...	" ...	Pedro Ximenes	" "
Johnston, J. S. ...	Sunbury ...	Hock	" 1875
Kahland, J. ...	" ...	Carbinet	" "
Kitz, L., and Son ...	Melbourne ...	Frontignac	" 1879
Mellon, F. ...	Dunolly ...	Riesling	" 1877
Morris, G. F. ...	Brown's Plains ...	Shiraz, D	" 1880
Mueller, A. ...	Yackandandah ...	White muscatel	" 1872
Mueller, A. ...	" ...	Muscat	" 1878
Pearce, J. ...	Wahgunyah ...	Shiraz and muscat	" "
Pearce, J. ...	" ...	Pedro Ximenes	" "

Pohl, C.	...	Strathfieldsaye	...	Red hermitage	Vintage 1879
Schroöder, E.	...	Castlemaine	...	Riesling	" 1876
Smith, G. S.	...	Wahgunyah	...	Verdeilho	" 1877
Smith, G. S.	...	Wahgunyah	...	Constantia	" "
Smith, G. S.	...	"	...	Pedro Ximenes	" "
Smith, L. L.	...	Nunawading	...	Carte blanche	" 1878
Smith, L. L.	...	"	...	Perle d'Australia	" 1880

FOURTH ORDER OF MERIT—CERTIFICATE.

Adamson, T.	...	Sunbury	...	Red hermitage	Vintage 1879
Adamson, T.	...	"	...	"	" 1877
Brensing, E.	...	Nagambie	...	"	" "
Bruhn, A.	...	Sandhurst	...	Verdeilho	" 1875
Bruhn, A.	...	"	...	"	" 1875a
Bruhn, A.	...	"	...	"	" 1879
Bruhn, A.	...	"	...	Carbinet	" 1875
Caldwell and Co.	...	Melbourne	...	Dry red muscat	" not given
Caldwell and Co.	...	"	...	Shiraz	" "
Caldwell and Co.	...	"	...	Port	" "
Caughey, A. and R.	...	Yarra Bank	...	Tokay	" 1877
Caughey, A. and R.	...	"	...	Malbec	" "
Caughey, A. and R.	...	"	...	Grenache	" "
Caughey, A. and R.	...	"	...	Shiraz	" "
Caughey, A. and R.	...	"	...	Red muscat	" 1876
De Castella and Rowan	...	Lilydale	...	Riesling	" 1874
De Castella and Rowan	...	"	...	Red hermitage	" 1879
De Pury, G.	...	Yeringberg	...	White "	" 1875
Eadie, J.	...	Sunbury	...	Red "	" 1879
Egli, F.	...	Tabilk...	...	" "	" "
Fischer, A.	...	Sandhurst	...	Verdeilho	" 1878
Fischer, A.	...	"	...	"	" 1877
Fischer, A.	...	"	...	"	" 1875
Fischer, A.	...	"	...	Red hermitage	" 1879
Ford, T.	...	—	...	Carbinet	" 1876
Fulton, E. G.	...	Echuca	...	Tokay and gouais	" 1877
Fulton, E. G.	...	"	...	Carbinet	" 1876
Fulton, E. G.	...	"	...	Burgundy	" 1877
Fulton, E. G.	...	"	...	Grenache	" "
Gordon, C., and Son	...	Axedale	...	Carbinet	" 1879
Griefenhagen, W.	...	Strathfieldsaye	...	Mataro	" 1878
Hanson, G.	...	Wauru Ponds	...	Red hermitage	" 1877
Kahland, J.	...	Sandhurst	...	Riesling	" 1879
Kahland, J.	...	"	...	Red hermitage	" "
Kitz, L., and Son	...	Melbourne	...	Aucarot	" "
Kitz, L., and Son	...	"	...	Carbinet	" "
Logan, D.	...	Rutherglen	...	Tokay	" 1873
Mellon, F.	...	Dunolly	...	Pineau (red)	" not given
Meyer, H.	...	Sheepwash	...	Madeira	" 1878
Meyer, H.	...	"	...	Red hermitage	" 1879
Meyer, H.	...	"	...	Carbinet	" 1878
Morris, G. F.	...	Brown's Plains	...	Verdeilho	" 1875
Morris, G. F.	...	"	...	Burgundy	" 1874
Morris, G. F.	...	"	...	Grenache	" 1880
Morris, G. F.	...	"	...	Shiraz	" 1875
Morris, G. F.	...	"	...	"	" 1880
Mueller, A.	...	Yackandandah	...	Verdeilho	" 1877
Mueller, A.	...	"	...	Hermitage	" 1875
M'Bean, R.	...	Benalla	...	Red muscat	" 1879
M'Bean, R.	...	"	...	Muscat	" "
M'Bean, R.	...	"	...	Malbec	" "
M'Bean, R.	...	"	...	Shiraz	" 1878
M'Bean, R.	...	"	...	"	" 1879
M'Donald, W.	...	Docker's Plains	...	Tokay	" 1877
M'Donald, W.	...	"	...	Red muscat	" 1879
Pohl, Carl	...	Strathfieldsaye	...	Verdeilho	" 1878
Ritchie Bros.	...	Murgheboluc	...	Red "	" 1877

Shaw, F. K.	...	Goornong	...	Red hermitage	Vintage 1878
Smith, G. S.	...	Wahgunyah	...	Lachryma Christi	" 1877
Smith, G. S.	...	"	...	Carbinet	" "
Trinkhaus, A.	...	Muckleford	...	Red hermitage	" 1879
Trouette and Blampied	...	Great Western	...	Hock, No. 1	" 1875
Trouette and Blampied	...	"	...	" No. 2	" 1876
Trouette and Blampied	...	"	...	Chablis 1	" "
Trouette and Blampied	...	"	...	Riesling, No. 1	" "
Trouette and Blampied	...	"	...	"	" 1875
Trouette and Blampied	...	"	...	Burgundy	" "

FIFTH ORDER OF MERIT—CERTIFICATE.

Adamson, Travers	...	Sunbury	...	Riesling	Vintage 1878
Adamson, Travers	...	"	...	Red hermitage	" "
Anderson, R. S.	...	Melbourne	...	Verdeilho	" 1875
Best, Harry	...	Great Western	...	Red hermitage	" 1878
Best, J.	...	"	...	Claret	" 1875
Best, J.	...	"	...	Burgundy	" 1872
Best, J.	...	"	...	Sauterne	" 1873
Borland, A.	...	Loddon	...	Red hermitage	" 1875
Breusing, E.	...	Nagambie	...	Burgundy	" 1877
Breusing, E.	...	"	...	Riesling	" 1878
Bruhn, A.	...	Sandhurst	...	Red hermitage	" 1875
Bruhn, A.	...	"	...	"	" 1876
Bruhn, A.	...	"	...	Pedro Ximenes	" 1875
Bruhn, A.	...	"	...	Riesling	" 1878
Buchanan, C.	...	Ondit ...	...	Carbinet	" "
Buchanan, C.	...	"	...	Mataro	" 1874
Burne, J.	...	Strathfieldsaye	...	Red hermitage	" 1875
Burne, J.	...	"	...	"	" 1879
Caldwell and Co.	...	Melbourne	...	Riesling	" not given
Caldwell and Co.	...	"	...	Tokay	" "
Caldwell and Co.	...	"	...	"	" "
Caldwell and Co.	...	"	...	Shiraz	" "
Caldwell and Co.	...	"	...	"	" "
Caughey, A. and R.	...	Yarra Bank	...	Riesling	" 1877
Caughey, A. and R.	...	"	...	"	" "
Caughey, A. and R.	...	"	...	"	" 1874
Caughey, A. and R.	...	"	...	Madeira	" 1877
Caughey, A. and R.	...	"	...	Red hermitage	" 1875
Caughey, A. and R.	...	"	...	Shiraz	" 1874
Caughey, A. and R.	...	"	...	"	" 1877
Château Tahbilk	...	Tahbilk	...	Riesling	" 1875
Chateau Tahbilk	...	"	...	Ugni blanc	" 1876
Château Tahbilk	...	"	...	Red muscat	" 1878
Château Tahbilk	...	"	...	Pedro Ximenes	" 1877
Château Tahbilk	...	"	...	Red hermitage	" 1878
Château Tahbilk	...	"	...	Carbinet	" 1877
Château Tahbilk	...	"	...	"	" 1879
Crippa, F.	...	Hepburn	...	Red hermitage	" not given
Daly, H. D. O. B.	...	Dunolly	...	" "	" 1879
Daniel, C.	...	Bulla ...	...	" wine	" 1877
Davies, J.	...	Ngarveno	...	Hock	" 1875
Davies, J.	...	"	...	"	" 1876
Davies, J.	...	"	...	Red hermitage	" 1879
Davies, J.	...	"	...	"	" 1876-9
Davies, J.	...	"	...	Claret	" 1876
De Castella and Rowan	...	Lilydale	...	Tokay	" 1879
De Castella and Rowan	...	"	...	Red hermitage	" "
De Castella and Rowan	...	"	...	Sauvignon	" 1877
De Castella and Rowan	...	"	...	"	" "
De Pury, G.	...	Yeringberg	...	White hermitage	" "
De Pury, G.	...	"	...	Pineau	" 1879
Faux, Peter	...	Dunolly	...	Riesling	" 1877
Faux, Peter	...	"	...	Red hermitage	" "
Fischer, A.	...	Sandhurst	...	Verdeilho	" 1879

Fischer, A.	...	Sandhurst	...	Frontignac	Vintage 1879
Fischer, A.	...	"	...	Red hermitage	" 1877
Fischer, A.	...	"	...	"	" 1878
Ford, T.	...	—	...	Riesling	" 1875
Ford, T.	...	—	...	Sauterne	" "
Ford, T.	...	—	...	Carbinet	" 1873
Fox, A. W.	...	Sandhurst	...	Verdeilho	" 1875
Fox, A. W.	...	"	...	Madeira	" 1877
Fox, A. W.	...	"	...	Red hermitage	" 1875
Fuller, C.	...	Inverleigh	...	Burgundy	" 1879
Fulton, E. G.	...	Echuca	...	Pedro Ximenes	" 1877
Fulton, E. G.	...	"	...	Red hermitage	" "
Fulton, E. G.	...	"	...	Laverdon	" 1878
Gemmell, J.	...	Wooragee	...	Shiraz, sweet	" 1879
Gemmell, J.	...	"	...	" dry	" "
Giovannoni, D.	...	Hepburn	...	Red hermitage	" "
Gordon, C., and Son	...	Axedale	...	" "	" "
Griefenhagen, W.	...	Strathfieldsaye	...	White "	" 1877
Griefenhagen, W.	...	"	...	Red "	" "
Griefenhagen, W.	...	"	...	" "	" 1879
Griefenhagen, W.	...	"	...	Carbinet and sauvignon	" 1875
Grosse, F.	...	Sandhurst	...	Red hermitage	" 1878
Hanson, G.	...	Wauru Ponds	...	"	" 1877
Johnston, J. S.	...	Sunbury	...	"	" 1871
Johnston, J. S.	...	"	...	"	" 1877
Johnston, J. S.	...	"	...	"	" 1870
Johnston, J. S.	...	"	...	"	" 1878
Jones, W.	...	Wedderburn	...	"	" 1876
Jones, W.	...	"	...	"	" 1879
Joske, A.	...	Melbourne	...	White wine	" 1858
Kahland, J.	...	Sandhurst	...	Burgundy	" 1875
Kahland, J.	...	"	...	"	" 1877
Kahland, J.	...	"	...	Riesling	" "
Kahland, J.	...	"	...	Verdeilho	" "
Kahland, J.	...	"	...	Red hermitage	" "
Kitz, L., and Son	...	Melbourne	...	Riesling	" 1875
Kurrle, R.	...	Sunbury	...	Red hermitage	" 1877
Kurrle, R.	...	"	...	"	" 1878
Kurrle, R.	...	"	...	"	" 1879
Logan, D.	...	Rutherglen	...	Riesling	" 1871
Logan, D.	...	"	...	Pedro Ximenes	" 1877
Logan, D.	...	"	...	Shiraz	" 1873
Logan, D.	...	"	...	"	" 1879
Mackiehan, J.	...	Penshurst	...	White wine	" 1872
Mackiehan, J.	...	"	...	Frontignac	" 1873
Macpherson, J.	...	Sunbury	...	Red hermitage	" 1878
Martin, J. F.	...	Brown's Plains	...	Riesling	" 1877
Martin, J. F.	...	"	...	"	" 1880
Martin, J. F.	...	"	...	Red muscat	" 1879
Martin, J. F.	...	"	...	" hermitage	" 1877
Mellon, F.	...	Dunolly	...	Verdeilho	" "
Mellon, F.	...	"	...	Red wine	" "
Mellon, F.	...	"	...	White muscat	" 1878
Merle, J.	...	Daylesford	...	Gamais	" 1877
Metzger, L.	...	Stawell	...	Riesling	" "
Metzger, L.	...	"	...	White muscat	" 1872
Metzger, L.	...	"	...	Claret	" "
Meyer, H.	...	Sheepwash	...	Riesling	" 1878
Meyer, H.	...	"	...	Chasselas	" 1874
Meyer, H.	...	"	...	Red hermitage	" 1878
Mooney, J. and L.	...	Ararat	...	Chasselas	" "
Mooney, J. and L.	...	"	...	Red hermitage	" "
Morris, G. F.	...	Brown's Plains	...	Riesling	" 1875
Morris, G. F.	...	"	...	Tokay	" 1880
Morris, G. F.	...	"	...	Baxter sherry	" 1875
Morris, G. F.	...	"	...	Shiraz	" 1874
Mueller, A.	...	Yackandandah	...	Red wine	" 1878

Mueller, A.	...	Yackandandah	...	Red muscat	Vintage 1872
M'Bean, R.	...	Benalla	...	White muscat	" 1878
M'Bean, R.	...	"	...	"	" 1879
M'Bean, R.	...	"	...	Red muscat	" 1880
M'Bean, R.	...	"	...	Shiraz	" 1878
M'Bean, R.	...	"	...	"	" "
M'Donald, W.	...	Docker's Plains	...	"	" 1877
M'Donald, W.	...	" "	...	Verdeilho	" 1867
M'Pherson, J.	...	Melbourne	...	Pineau	" 1878
Pearce, J.	...	Wahgunyah	...	Shiraz	" 1877
Pohl, C.	...	Strathfieldsaye	...	Verdeilho	" 1875
Pohl, C.	...	Strathfieldsaye	...	Riesling	" 1875
Pohl, C.	...	"	...	Red hermitage	" "
Pohl, C.	...	"	...	"	" 1873
Reau, C.	...	Wahgunyah	...	"	" 1874
Reau, C.	...	"	...	Carbinet	" "
Ritchie Bros.	...	Murgheboluc	...	Red hermitage	" 1878
Ritchie Bros.	...	"	...	"	" 1879
Schmidt, F.	...	Berwick	...	Riesling	" "
Schmidt, F.	...	"	...	Red hermitage	" "
Schroöder, E.	...	Castlemaine	...	Chasselas	" 1877
Schroöder, E.	...	"	...	Carbinet	" 1876
Schroöder, E.	...	"	...	Burgundy	" 1877
Scott, J.	...	Wahgunyah	...	Aucarot	" "
Scott, J.	...	"	...	Shiraz	" "
Shaw, F. R.	...	Goornong	...	Red hermitage	" 1872
Smith, G. S.	...	Wahgunyah	...	Madeira	" 1877
Smith, G. S.	...	"	...	Aucarot	" "
Smith, G. S.	...	"	...	Hock	" "
Smith, G. S.	...	"	...	Red muscat	" "
Smith, G. S.	...	"	...	Amontilado	" "
Smith, G. S.	...	"	...	Shiraz	" 1877
Smith, L. L.	...	Nunawading	...	Claret	" 1878
Smith, L. L.	...	"	...	Sillery rose	" 1880
Smith, L. L.	...	"	...	Sparkling burgundy	" 1878
Trinkhaus, A.	...	Muckleford	...	Riesling	" 1879
Trinkhaus, A.	...	"	...	Burgundy	" "
Trouette and Blampied	...	Great Western	...	Riesling	" 1874
Trouette and Blampied	...	"	...	Sauterne	" "
Trouette and Blampied	...	"	...	Chablis	" "
Trouette and Blampied	...	"	...	Red hermitage	" 1875
Trouette and Blampied	...	"	...	Claret	" 1873
Trouette and Blampied	...	"	...	Burgundy	" 1872
Trouette and Blampied	...	"	...	Champagne	" 1875
Wilson, A. S.	...	Ivanhoe	...	Red hermitage	" "

Jury Section XXXIVa.—SPIRITS.

SECOND ORDER OF MERIT.

CASE GENEVA.

Warrenheip Distillery, Ballarat

certificate

FOURTH ORDER OF MERIT.

BULK WHISKY.

Warrenheip Distillery, Ballarat certificate

CASE GENEVA.

Warrenheip Distillery, Ballarat certificate

MISCELLANEOUS SPIRITS.

Warrenheip Distillery, Ballarat certificate

FIFTH ORDER OF MERIT.

BULK WHISKY.		BRANDY, IN CASE.	
Aitken, Thomas, Melbourne	certificate	De Castella and Rowan, Melbourne	certificate
SCHNAPPS.		Warrenheip Distillery, Ballarat	
Wood, J., and Sons, Melbourne	certificate		certificate

Jury Section XXXIVc.—CORDIALS AND LIQUEURS.

FIRST ORDER OF MERIT.

MARASCHINO.		GINGER BRANDY.	
M'Donald, M., Melbourne	silver	M'Donald, M., Melbourne	bronze
EUCALYPTO.		POTASS WATER.	
Bosisto, J., Melbourne	bronze	Dixon, P. G., Melbourne	bronze
GINGER WINE.		TONIC WATER.	
Greene, S., and Co., Fitzroy	bronze	Greene, S., and Co., Fitzroy	bronze
M'Donald, M., Melbourne	bronze		
PEPPERMINT.		LITHIA WATER.	
Abbot, C. G., Fitzroy	bronze	Dixon, P. G., Melbourne	bronze
Billson, G., Beechworth	bronze		
Dixon, P. G., Melbourne	bronze	SODA WATER.	
M'Clean, E., and Sons, Bridgewater-on-Loddon	bronze	Dixon, P. G., Melbourne	bronze
		Greene, S., and Co., Fitzroy	bronze
PUNCH.		LEMONADE.	
Hoile, Mackey and Co., Melbourne	bronze	Billson, G., Beechworth	bronze
RASPBERRY.		FLUID MAGNESIA.	
Dixon, P. G., Melbourne	bronze	Felton, Grimwade and Co., Melbourne	bronze
		Rocke, Tomsitt and Co., Melbourne	bronze
CLOVES.		MAGNESIA WATER.	
Greene, S., and Co., Fitzroy	bronze	Dixon, P. G., Melbourne	bronze
M'Clean, E., and Sons, Bridgewater-on-Loddon	bronze		

SECOND ORDER OF MERIT.

GINGER WINE.		GINGERETTE.	
M'Donald, M., Melbourne	certificate	M'Clean, E., and Sons, Bridgewater-on-Loddon	certificate
CURACOA.		RASPBERRY.	
Dixon, P. G., Melbourne	certificate	Greene, S., and Co., Fitzroy	certificate
M'Donald, M., Melbourne	certificate	Hoile, Mackey and Co., Melbourne	certificate
ANISETTE.		Macgregor, T., Melbourne	certificate
M'Clean, E., and Sons, Bridgewater-on-Loddon	certificate	M'Donald, M., Melbourne	certificate
NOYEAU.		BITTERS.	
M'Clean, E., and Sons, Bridgewater-on-Loddon	certificate	Dixon, P. G., Melbourne	certificate
		Greene, S., and Co., Melbourne	certificate
PUNCH.		Hoile, Mackey and Co., Melbourne	certificate
Steane, J., and Co., Melbourne	certificate	M'Clean, E., and Sons, Bridgewater-on-Loddon	certificate
GOLD WATER.		SELTZER WATER.	
M'Clean, E., and Sons, Bridgewater-on-Loddon	certificate	Dixon, P. G., Melbourne	certificate
		Loan, L., Walhalla	certificate

SODA WATER.		TONIC WINES.	
Billson, G., Beechworth	certificate	Aitkin, C. A., Hotham	certificate
Cooper, A., Brighton	certificate	Billson, G., Beechworth	certificate
Greene, S., and Co., Fitzroy	certificate	Dixon, P. G., Melbourne	certificate
Loan, L., Walhalla	certificate	Hemmons, Laws and Co., Melbourne	certificate
SYRUPS.		Steane, J., and Co., Melbourne	certificate
Loan, L., Walhalla	certificate	MISCELLANEOUS CORDIALS.	
LEMONADE.		Hemmons, Laws and Co., Melbourne	certificate
Dixon, P. G., Walhalla	certificate	Hemmons, Laws and Co., Melbourne	certificate
GINGER ALE.		Loan, L., Walhalla	certificate
Billson, G., Beechworth	certificate	Macgregor, J., Melbourne	certificate
Greene, S., and Co., Fitzroy	certificate	Schwerkolt, A., Ringwood	certificate

HONOURABLE MENTION.

MINERAL WATERS.		LIMEADE.	
Shallard, J., Sandridge	certificate	Dixon, P. G., Melbourne	certificate
LIME-JUICE.		Greene, S., and Co., Fitzroy	certificate
Macgregor, J., Melbourne	certificate		

Jury Section XXXV.—BEERS.

FIRST ORDER OF MERIT.

PORTER, IN BULK.

Aitken, Thomas, Melbourne	silver
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SECOND ORDER OF MERIT.

BEER, IN BULK.

Aitken, Thomas, Melbourne	certificate
Baynes and Hearne, Wangaratta	certificate

PORTER, IN BULK.

Boyd and Head, Melbourne	certificate
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BOTTLED PORTER.

Baynes and Hearne, Wangaratta	certificate
Billson, George, Beechworth	certificate
Martin, P. J., Melbourne	certificate
M'Cracken, R., and Co., Melbourne	certificate

THIRD ORDER OF MERIT.

BEER, IN BULK.

Hennelly and Co., Melbourne	certificate
M'Bride and Martin, Melbourne	certificate
Myring, J., Castlemaine	certificate

XX, No. 2 ALE, BOTTLED.

Martin, P. J., Melbourne	certificate
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FOURTH ORDER OF MERIT.

BEER, IN BULK.

Aitken, T., Melbourne	certificate
Boyd and Head, Melbourne	certificate
Coyle, P., Melbourne	certificate
M'Cracken and Co., Melbourne	certificate
Wood, J., and Son, Melbourne	certificate

BROWN BOTTLED ALE.

Baynes and Hearne, Wangaratta	certificate
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XXX ALE, No. 1, BOTTLED.

Martin, P. J., Melbourne	certificate
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Jury Section XXXVI.—HORTICULTURE, CONSERVATORIES.

FIRST ORDER OF MERIT.

OUTDOOR CONSERVATORY.

Breslin, N., Melbourne	bronze
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CARPOLOGICAL EXHIBIT.

Guilfoyle, W. R., F.L.S., &c., Melbourne	certificate
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DRIED FLOWERS.		DRIED BOTANIC SPECIMENS.	
D'Alton, St. Eloy, Horsham	certificate	Sullivan, D., Moyston	certificate

SECOND ORDER OF MERIT.

FLOWER SEEDS.		GROWING PLANTS, IN BED, M. I. EXHIBITION GARDENS.	
Cresswell, C. F., Melbourne	certificate	Sims, G. J., Brighton	certificate

THIRD ORDER OF MERIT.

SEEDS OF FOREST TREES.		WINDOW CONSERVATORY.	
Nicholls, R. U., Ballarat	certificate	Breslin, N., Melbourne	certificate
LIVE FERNS, IN CASE.			
Wyatt, J. W., South Gippsland	certificate		

FOURTH ORDER OF MERIT.

MODEL GREENHOUSE.		WINDOW AQUARIUMS.	
Trembling, G., Geelong	certificate	Bauld, R., Melbourne	certificate
		Bier, —, Melbourne	certificate

Jury Section XXXVII.—WEAVING, SEWING, AND PRINTING MACHINERY, &c.

FIRST ORDER OF MERIT.

BOOTMAKING MACHINERY.	
Wilson, Hugh, and Sons, Melbourne	silver

SECOND ORDER OF MERIT.

LATH-PAINTING MACHINE.	
Roberts, Owen, Richmond	certificate

THIRD ORDER OF MERIT.

PAPERHANGING MACHINE.		PAPER FROM INDIGENOUS AND EXOTIC PLANTS.	
Rule, Henry, Flemington	certificate	Guilfoyle, W. R., F.L.S., &c., Botanic Gardens	certificate

FOURTH ORDER OF MERIT.

VENETIAN BLIND PUNCHING MACHINE.	
England, E., Richmond	certificate

FIFTH ORDER OF MERIT.

CORK EXTRACTOR.		TOOLS USED IN THE MANUFACTURE OF JEWELLERY.	
Tryrer, P., Melbourne	certificate	Flegeltaub, Lewis, Melbourne	certificate
APPARATUS FOR DESTROYING INSECTS.		HATTERS' IRONS.	
Wagner, W. H., Melbourne	certificate	Groom, Benjamin, Melbourne	certificate
MODEL OF BOTTLING MACHINERY.		CORKING MACHINE.	
Shallard, F. T., Melbourne	certificate	Wilson, Geo., & Co., Melbourne	certificate

LADIES' JURY.**FIRST ORDER OF MERIT.****WAX AND PAPER FLOWERS AND
MODELS OF FRUIT.**

Doherty, Miss E. J., St. Kilda bronze

FRUITS, &c., MODELLED IN WAX.

Hodgkinson, Miss A., St. Kilda bronze

M'Millan, Miss A. G., East Melbourne bronze

WAX FLOWERS.

Peebles, Miss F. J., Jolimont bronze

Peebles, Miss Eva, Carlton bronze

Taylor, Mrs. J., Sandhurst bronze

POINT AND HONITON LACE.

Symons, Mrs. P., Fitzroy certificate

LEATHERWORK.

Borland, Miss M., Maryborough certificate

IMITATION PARIAN MARBLE.

Stark, Miss M. H. T., Hotham certificate

NEEDLEWORK UPHOLSTERY.

Heinzle, Miss A., Fitzroy certificate

EMBROIDERY ON SILK AND SATIN.

Power, Misses H. and S., Melbourne certificate

WOOL FLOWERS.

Way, Mrs. R. H., Maldon certificate

LACE.

Cocking, Miss Jane, Kew certificate

Monahan, Mrs. certificate

Potts, Mrs. R., Richmond certificate

Smith, Mrs. Silas, Sunny Park, certificate

Tyrendarra certificate

POINT LACE HANDKERCHIEF.

Henty, Miss Agnes B., South Yarra certificate

SKELETON LEAVES.

Douglass, Mrs. A., Geelong certificate

Penny, E. T. (Juvenile), Carlton certificate

**EMBROIDERY ON SILK, SATIN, AND
VELVET.**

Altson, Miss Rose, Melbourne certificate

Johnson, Miss E. A., Emerald Hill certificate

The Sisters of Mercy, Nicholson-
street Convent certificate**KNITTED CROCHET AND PATCHWORK
QUILTS.**

Elsbury, Mrs. M., Castlemaine certificate

KNITTED STOCKINGS.

M'Connell, Mrs. J., Rochford certificate

DRESSMAKING (JUVENILE CLASS).

Broadbent, Miss I., Elsternwick certificate

PAINTING ON VELVET AND SILK.

Shann, Mrs. R. certificate

**NATURE-PRINTED FERNS AND
LEAVES.**

Sinclair, Mrs. E. certificate

WOOL AND FEATHER FLOWERS.

Anderson, Miss C., Moonee Ponds certificate

NEEDLEWORK AND KNITTING.

Victorian State School Exhibit certificate

SECOND ORDER OF MERIT.**EMBROIDERY ON CREWEL CANVAS.**

Brearley, Miss J. L., Kew certificate

MACHINE-KNITTED STOCKINGS.

Jackson, Mrs., Richmond certificate

**PAINTING ON SILK, SATIN, AND
VELVET.**

Aarons, Miss certificate

FEATHER FLOWERS.

Withell, Mrs. M., Ballarat West certificate

**IMITATION OF OLD VENETIAN POINT
LACE.**

Browne, Miss E. A., Balaclava certificate

LACE.

Henty, Mrs. R., South Yarra certificate

WAX AND PAPER FLOWERS.

Holder, Margaret S., Melbourne certificate

Watts, Miss Fanny C., North
Richmond certificate**PAINTED SATIN BORDER OF TABLE-
CLOTH.**Moore, Misses O. and E. F., St.
Kilda certificate**PAINTING ON SILK.**

Boobier, Miss Nellie, Sandhurst certificate

FLOWERS EMBROIDERED ON SATIN.

Bedford, Miss, Geelong certificate

FLOWERS PAINTED ON SILK.

Cole, Miss Chassie, Geelong certificate

LEATHERWORK FRAMES.

Wearne, Miss Margaret J., Maldon certificate

**POINT LACE APRON, HANDKERCHIEF,
AND SLEEVES.**

Whyte, Miss J. A., Sandhurst certificate

EMBROIDERY ON SILK AND SATIN.

Patton, Miss E. S., Kew certificate

EMBROIDERY ON SILK.
Finley, Misses H. and A. certificate

EMBROIDERY ON TEA COSIE.
Wade, Miss, St. Kilda certificate

KNITTED BED COVERS.
Roberts, Mrs. Isabella, West Melbourne certificate

HAND-KNITTED STOCKINGS.
Nall, Mrs. Hannah, Beechworth certificate

FRETWORK.
Fisher, Miss Agnes, Geelong certificate

WOOL FLOWERS.
Puckey, Mrs. Eliza P., Collingwood certificate

SKELETON LEAVES.
Lewellin, Mrs. Grace E., Prahran certificate

ETCHING ON WOOD.
Stillman, W. L., St. Kilda certificate

CONE FRAME.
Thompson, Mrs. Mary A., Kew certificate

HAND-PAINTED CARDS.
M'Donnell, Miss F. M., Richmond certificate

THIRD ORDER OF MERIT.

FEATHER FLOWERS.
Fuller, Miss Elizabeth, Inverleigh certificate

LACE VEIL.
Little, Mrs. F., Brighton certificate

PITH WORK.
Syme, Miss J., Cheltenham certificate

POINT LACE.
Addis, Miss S., South Yarra certificate
Brookman, Miss M. R., Sandhurst certificate
Hurst, Misses K. and E., Hawthorn certificate

LACE, HAND-MADE.
Jeffreson, Mrs. C., South Yarra certificate

LACE.
Seale, Miss Sara, Emerald Hill certificate

EMBROIDERY ON SILK.
Finley, Misses A. and H., Kew certificate

EMBROIDERED TOILET SET.
Jones, Miss Minnie, West Melbourne certificate

LACE, WOOL, SILK, AND BEAD WORK.
Shaw, Mrs. Jessie, Maryborough certificate

KNITTED QUILT.
Rosman, Mrs. M., Fitzroy certificate

CROCHET QUILT
Reed, Miss A., South Yarra certificate

PATCHWORK TABLECOVER AND CUSHIONS.
Hillas, Mrs. A., Melbourne certificate

PATCHWORK COUNTERPANE.
Naughton, Bridget, North Richmond certificate

SILK QUILT.
Tilly, Mrs. C., Melbourne certificate

PATCHWORK QUILT.
Monkhouse, Mrs. Susan, Richmond certificate

HAND-KNITTED STOCKINGS.
Thom, Mrs. Annie, North Carlton certificate

PAPER FLOWERS AND ALUM CROSS.
Taylor, Miss Ann E., West Melbourne certificate

WAX FLOWERS.
Lister, Miss Mary, Sandridge certificate
Plimpton, Mrs. R., Fitzroy certificate

PAPER FLOWERS.
Gerson, Miss S. L., Melbourne certificate
Henderson, A., Richmond certificate
Riley, Miss Isabel, Windsor certificate

WAX FLOWERS AND FRETWORK.
Kitz, Mrs. C., East Melbourne certificate

SPLASHWORK ON WOOD.
Le Souef, Miss E. W., Royal Park certificate

LEATHERWORK.
Hardbottle, Mrs. J., Melbourne certificate

IMITATION PARIAN MARBLE CROSS AND HARP.
Janes, Misses L. and H., Collingwood certificate

IMITATION PARIAN MARBLE CROSS.
Reid, Mrs. R., Flemington certificate

WOOL AND FEATHER FLOWERS.
Girdwood, R. certificate
Way, C. certificate

PAINTING ON WOOD.
Bell, Mrs. L. W., St. Kilda certificate

FOURTH ORDER OF MERIT.

GOLD, SILVER, BLACK, AND WHITE POINT LACE.
Laurance, Miss A., Hotham certificate

LACE.
Kelly, M. certificate

DARNED NET TABLECOVER.

Doherty, Miss E. J., St. Kilda certificate

LACE CURTAINS AND DRESS.

Oliver, Mrs. S., Ballarat East certificate

DARNED NET.

Laurance, Miss C., Hotham certificate

PAPER FLOWERS, CARVED EMU EGGS.

Owen, Mrs. J., Hotham certificate

SPLASHWORK ON WOOD.

Grover, Mrs. M., St. Kilda certificate

WAX FLOWERS.

Barry, Miss I. H., Coburg certificate

Macdonald, Miss M. A., Hotham certificate

PAINTING ON WOOD.

Manley, Mrs. B. E., St. Kilda certificate

WOOL FLOWERS.

Clarkson, Miss E., Fitzroy certificate

Clarkson, J., Fitzroy certificate

SEAWEED DEVICES.

Flatow, Mrs. J., Hotham certificate

FIFTH ORDER OF MERIT.

WOOL FLOWERS.

Morgan, M., Carlton certificate

HONOURABLE MENTION.

LACE, LIMERICK.

Bassett, Mrs. Eliza, Richmond certificate

PLAIN NEEDLEWORK.

Lee, Miss Esther, Melbourne certificate

WAX AND PAPER FLOWERS, AND
MODELS OF FRUIT (JUVENILE
CLASS).

Simms, E. P., Albert Park certificate

PAPER FLOWERS AND MODELS OF
FRUIT.

Henderson, Miss A. R., Richmond certificate

DRIED FERNS.

Flatow, Mrs. J., Hotham certificate

Frost, Mrs. R., Portland certificate

Jefferson, Miss E., Fernshaw certificate

WAX AND PAPER FLOWERS AND
MODELS OF FRUITS.

Balrer, Miss F. A., Windsor certificate

PICTURES IN PAPER FLOWERS AND
FERN LEAVES.

Henry, Mrs. M., Carlton certificate

FRETWORK.

Coates, Miss A. C., South Yarra certificate

CONE FRAME.

Johns, Miss, Hotham certificate

Thompson, Miss, Kew certificate

SPECIMENS OF PENMANSHIP.

Bartlett, Mrs. S., Richmond certificate

Meyer, Alfred, Melbourne certificate

ETCHING ON BIRDS' EGGS.

Leekamp, F. W. certificate

WESTERN AUSTRALIA.

Jury Section I.—FINE ARTS.

SECOND ORDER OF MERIT.

MAP OF THE COLONY.

Survey Department, Perth

certificate

THIRD ORDER OF MERIT.

WATER-COLOURS.

Rowan, F. C., Perth

certificate

PHOTO-LITHOGRAPHIC REPRODUCTIONS.

Survey Department, Perth

certificate

Jury Section III.—EDUCATION.

THIRD ORDER OF MERIT.

MAPS.

Surveyor-General of Western Australia, Perth

certificate

Jury Section IV.—PRINTING, BOOKS, STATIONERY, &c.

FOURTH ORDER OF MERIT.

PUBLICATIONS.

Government of Western Australia, Perth

certificate

Jury Section XIII. and XXII.—CHEMICAL AND PHARMACEUTICAL PRODUCTS.

FIRST ORDER OF MERIT.

WATTLE BARK.

Ranford, B. B., Fremantle

bronze

THIRD ORDER OF MERIT.

SALT.

Crowther and Mitchell, Northampton

certificate

Native Penal Department, Rott-nest

certificate

FOURTH ORDER OF MERIT.

“BLACKBOY” RESIN.

Whitfield, G., Toodyay

certificate

HONOURABLE MENTION.

RED-GUM.

Lambe, J., Bunbury

certificate

Jury Section XIV.—LEATHERWORK AND FANCY ARTICLES.

FOURTH ORDER OF MERIT.

FANCY GOODS.

Wilkinson, Capt. G. F., Perth certificate

Jury Section XVIII.—WEAPONS, &c.

HONOURABLE MENTION.

NATIVE WEAPONS.

Police Department, Perth certificate

Jury Section XIX.—PRODUCTS OF FORESTS.

FIRST ORDER OF MERIT.

TROPHY OF JARRAH TIMBER.

Jarrahdale Timber Co., Jarrahdale silver

SECOND ORDER OF MERIT.

TIMBERS FROM WESTERN AUSTRALIA.
Convict Department, Perth certificate

CANOPY OF JARRAH TIMBER.
Public Works Department, Perth certificate

TROPHY OF KAURI PINE.
Davies, M. C., Bunbury certificate

JARRAH PLANKS.
Western Australia Timber Co., Lockville certificate

THIRD ORDER OF MERIT.

MORRELL WOOD, FOR WHEELS.

Monger, J. T., York certificate

FOURTH ORDER OF MERIT.

JARRAH LOG.
Bunbury Timber Co., Bunbury certificate

SANDALWOOD.
Monger, J. H., Perth certificate

TOVART AND BLACK BUTT WOOD.
Summers, T., Perth certificate

FIFTH ORDER OF MERIT.

LOG OF KAURI.

Sherratt, F., Albany certificate

Jury Section XX.—AGRICULTURAL PRODUCTS, NOT USED FOR FOOD.

FIRST ORDER OF MERIT.

SILK COCOONS.

Berteaux, L. A., Perth silver

THIRD ORDER OF MERIT.

COCOONS.

De Burgh, Mrs., Perth

certificate

Government of Western Australia,
Perth

certificate

Jury Section XXVIII.—RAILWAYS, MINING, AND
METALLURGY.

FIRST ORDER OF MERIT.

PIG LEAD.

Crowther and Mitchell, Northampton

silver

SECOND ORDER OF MERIT.

LEAD AND OTHER ORES.

Crowther and Mitchell, Northampton

certificate

THIRD ORDER OF MERIT.

ROCKS, MINERALS, AND FOSSILS.

Government of Western Australia, Perth

certificate

Jury Section XXXI. and XXXII.—CEREALS, CONDIMENTS, AND
STIMULANTS.

SECOND ORDER OF MERIT.

FLOUR.

Dempster, C. E., Toodyay

certificate

SALT.

Government of Western Australia,
Perth

certificate

THIRD ORDER OF MERIT.

FLOUR.

Connor, D., Newcastle

certificate

Parker, S. S., York

certificate

Jury Section XXXIII.—MEAT AND FISH.

FIFTH ORDER OF MERIT.

FISH.

Saunders, H., King George's Sound

certificate

Jury Section XXXIV.—WINES.

FOURTH ORDER OF MERIT—CERTIFICATE.

Easton, W. ...
Weylen, A. D. | Fremantle ...
... | Perth | White muscatel
... | Red hermitageVintage 1879
" "

FIFTH ORDER OF MERIT—CERTIFICATE.

De Burgh, Mrs. C.	...	Caversham	...	Fontainebleau	Vintage 1873
De Burgh, Mrs. C.	...	"	...	"	1874
De Burgh, Mrs. C.	...	"	...	"	1878
Easton, W.	...	Fremantle	...	Sweet water	1879
Fawcett, J.	...	Pingarra Park	...	Don Pedro	1872-80
Ferguson, C. M.	...	Swan	...	Verdeilho	1879
Gurgeri, P. A.	...	Perth	...	White muscatel	" "
Gurgeri, P. A.	...	"	...	Fontainebleau	" "
Weylen, A. D.	...	"	...	"	" "

Jury Section XXXVI.—HORTICULTURE AND CONSERVATORIES.

SECOND ORDER OF MERIT.

DRIED FLOWERS.

Picton, B., Bunbury certificate

THIRD ORDER OF MERIT.

DRIED FLOWERS.

Cooper, Mrs., Albany certificate

LADIES' JURY.

SECOND ORDER OF MERIT.

LACE.

Wrenfordsley, Miss, Perth certificate

UNITED STATES.

Jury Section I.—FINE ARTS.

FIRST ORDER OF MERIT.

STEEL ENGRAVINGS AND ETCHINGS.
American Bank Note Co., New York City silver

OLEOS AND CHROMO-LITHOGRAPHS.
Prang, L., & Co., Boston, Massachusetts silver

PHOTO-LITHOGRAPHY.
Lockwood, Howard, New York City silver

SECOND ORDER OF MERIT.

LITHOGRAPHY, ARTISTIC AND COM-
MERCIAL.
Bancroft, A. L., and Co., San Fran-
cisco, California certificate
Forbes Lithographic Manufactur-
ing Co., Boston, Massachusetts certificate

IMITATION STAINED GLASS WINDOW.
Pickering, T. R., New York City certificate

THIRD ORDER OF MERIT.

LITHOGRAPHY, ARTISTIC AND COM-
MERCIAL.
Currier and Ives, New York City certificate
STEEL ENGRAVING.
Lowell, John A., and Co., Boston,
Massachusetts certificate

OIL PAINTING.
Weber, P. C., Philadelphia, Penn-
sylvania certificate

Jury Section II.—SCULPTURE, BRONZES, &c.

FIRST ORDER OF MERIT.

ENGRAVING AND ENAMELLING ON WATCH-CASES.
American Watch Co., Waltham, Massachusetts gold

THIRD ORDER OF MERIT.

MODELLING IN TERRA-COTTA.
Rogers, John, New York City certificate

FOURTH ORDER OF MERIT.

CARVINGS.
Santifaller, J. B., New York City certificate

Jury Section III.—EDUCATION.

FIRST ORDER OF MERIT.

SCHOOL APPLIANCES.
Sterling School Furniture Co., Ster-
ling, Illinois gold

NATURAL HISTORY COLLECTION.
Ward, H. A., Rochester, New York gold

SECOND ORDER OF MERIT.

EDUCATIONAL PUBLICATIONS.

Barnard, Henry, Hartford, Connecticut	certificate
Bicknell, F. W., Boston, Massachusetts	certificate

THIRD ORDER OF MERIT.

CELESTIAL AND RELATIVE GLOBES.

Juvet and Co., Canajoharie, New York	certificate
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SCHOOL APPLIANCES.

Bane, T., and Co., Chicago, Illinois	certificate
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FOURTH ORDER OF MERIT.

SCHOOL BOOKS FOR THE BLIND.

Perkins' Institution and Massachusetts School for Blind, South Boston, Massachusetts	certificate
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FIFTH ORDER OF MERIT.

SCHOOL APPLIANCES.

Victor Noiseless Slate Co., Chicago, Illinois	certificate
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Jury Section IV.—PRINTING, BOOKS, STATIONERY, &c.

FIRST ORDER OF MERIT.

PRINTING PAPER.

Adams, Peter, Buckland, Connecticut	silver
Albion Paper Co., Holyoke, Massachusetts	silver

WRITING PAPER.

Crane Bros., Westfield, Massachusetts	silver
Holyoke Paper Co., Holyoke, Massachusetts	silver

BOOKBINDING.

Appleton, D., and Co., New York City	silver
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TYPE.

Bruces, G., Son and Co., New York City	silver
M'Kellar, Smiths and Jordan, Philadelphia, Pennsylvania	silver

WOOD TYPE AND BORDERS.

Page, W. H., Wood Type Co., Norwich, Connecticut	silver
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ENGRAVINGS.

American Bank Note Co., New York City	silver
Lowell, John A., and Co., Boston, Massachusetts	silver

PHOTO-TYPOGRAPHS.

Lockwood, Howard, New York City	silver
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CHROMO AND GENERAL LITHOGRAPHY.

Forbes Lithographic Manufacturing Co., Boston, Massachusetts	silver
Prang, L., and Co., Boston, Massachusetts	silver

GOLD PENS AND PENCILS.

Aikin, Lambert and Co., New York City	silver
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PATENT RESERVOIR PEN.

Mackinnon Pen Co., New York City	silver
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PRINTING INK, BLACK.

Wade, H. D., and Co., New York City	silver
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PRINTING INK, COLOURED.

Wade, H. D., and Co., New York City	silver
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WRAPPING PAPERS.

Bird, F. W., Hollingsworth and Co., East Walpole, Massachusetts	bronze
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BOARDS.

Case Bros., South Manchester, Connecticut	bronze
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TAR MILLBOARDS.

Davey, W. O., and Son, Jersey City, New Jersey	bronze
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WATERPROOF PAPERS.

Scott Paper Co., Philadelphia, Pennsylvania	bronze
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COPYING INK.

Carter, Dinsmore and Co., Boston, Massachusetts	bronze
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WRITING INK, BLACK.

Carter, Dinsmore and Co., Boston, Massachusetts	bronze
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WRITING INK, COLOURED.

Carter, Dinsmore and Co., Boston, Massachusetts	bronze
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LETTER BALANCES.

Fairbanks and Co., New York City	bronze
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MUCILAGE AND CEMENT.

Puzzoline Co., Boston, Massachusetts	bronze
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PUBLICATIONS.

Appleton, D., and Co., New York City	bronze
Houghton, Mifflin and Co., Boston, Massachusetts	bronze
Lockwood, Howard, New York City	bronze
Merriam, G. and C., Springfield, Massachusetts	bronze
M'Laughlin Bros., New York City	bronze

PRINTING.

Appleton, D., and Co., New York City	bronze
Houghton, Mifflin and Co., Boston, Massachusetts	bronze
Kelly and Bartholomew, New York City	bronze
Lockwood, Howard, New York City	bronze
Matthews and Warren, Buffalo, New York	bronze
M'Laughlin Bros., New York City	bronze
United States Public Printer, Washington, D. C.	bronze

SECOND ORDER OF MERIT.

RUSSELL'S COMMON-SENSE BINDER.

Williams, Stillings and Co., New York City	certificate
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COPYING PRESSES.

Shriver, T., and Co., New York City	certificate
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BOOKBINDING.

Houghton, Mifflin and Co., Boston, Massachusetts	certificate
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PUBLICATIONS.

Barrie, G., Philadelphia, Pennsylvania	certificate
Warren, Moses, and Co., Chicago, Illinois	certificate

PRINTING INK, BLACK.

Johnson, C. E., Philadelphia, Pennsylvania	certificate
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LITHOGRAPHIC PROOFS.

Currier and Ives, New York City	certificate
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CALIGRAPHY.

Barker, J. S., Albany, New York	certificate
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PRINTING INK, COLOURED.

Johnson, C. E., Philadelphia, Pennsylvania	certificate
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BOARDS.

Fall Mountain Paper Co., Bellows Falls, Vermont	certificate
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CARDBOARD BOXES.

Randolph and English, Richmond, Virginia	certificate
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WRITING PAPER.

Albion Paper Co., Holyoke, Massachusetts	certificate
Woolworth and Graham, New York	certificate

THIRD ORDER OF MERIT.

COPYING INK.

Stafford, S. S., New York City	certificate
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WRITING INK, BLACK.

Stafford, S. S., New York City	certificate
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WRITING INK, COLOURED.

Stafford, S. S., New York City	certificate
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MUCILAGE AND OFFICE REQUISITES.

Carter, Dinsmore and Co., Boston, Massachusetts	certificate
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STATIONERS' SUNDRIES.

Philadelphia Novelty Co., Philadelphia, Pennsylvania	certificate
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CHROMO AND GENERAL LITHOGRAPHY.

Bancroft, A. L., and Co., San Francisco, California	certificate
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CALIGRAPHY.

Mills, F. B., San Francisco, California	certificate
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FIFTH ORDER OF MERIT.

WRITING PAPER.

Ellicott Mills	certificate
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Jury Section V.—PHOTOGRAPHIC PROOFS AND APPARATUS.

FIRST ORDER OF MERIT.

PORTRAITS TAKEN DIRECT.

Bradley and Rulofson, San Francisco, California	bronze
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PORTRAITS.

Tuttle and Co., San Francisco, California	bronze
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Jury Section VI.—MUSICAL INSTRUMENTS.

FIRST ORDER OF MERIT.

AMERICAN ORGANS.

Smith American Organ Co., Boston, Massachusetts gold

SECOND ORDER OF MERIT.

ORGANS.

Taylor and Farley Organ Co., Worcester, Massachusetts certificate

CABINET REED ORGAN.

Peloubet and Co., New York City certificate

Jury Section VII.—MEDICINE, HYGIENE, AND PUBLIC RELIEF.

FIRST ORDER OF MERIT.

INVALID ROLLING CHAIR.

New Haven Folding Chair Co., New Haven, Connecticut bronze

ARTIFICIAL TEETH.

Justi, H. D., Philadelphia, Pennsylvania bronze

DENTAL MANUFACTURES AND ARTIFICIAL TEETH.

White, Samuel S., Estate of, Philadelphia, Pennsylvania bronze

Jury Section VIII.—CLOCKS, WATCHES, &c.

FIRST ORDER OF MERIT.

POCKET WATCHES AND CHRONOMETERS.

American Watch Co., Waltham, Massachusetts gold

SECOND ORDER OF MERIT.

CALENDAR CLOCKS.

Ithaca Calendar Clock Co., Ithaca, New York certificate

CUTLERY.

Northfield Knife Co., Northfield, Connecticut certificate

TIME GLOBES.

Juvet and Co., Canajoharie, New York certificate

CLOCKS.

Bradley and Hubbard Manufacturing Co., West Meriden, Connecticut certificate

Jury Section IX.—FURNITURE AND ACCESSORIES.

FIRST ORDER OF MERIT.

SHOW CASES.

Park, G. H. and J. F., Taunton, Massachusetts bronze

SHADE ROLLERS.

Hartshorn, S., New York City bronze

PATTERN FOR COMBINATION DESK.

Wooton Desk Co., Indianapolis, Ia. bronze

SECOND ORDER OF MERIT.

SPRING MATTRESSES.

Hinckley, E., San Francisco, California certificate

VENEERS

Spurr, C. W., Boston, Massachusetts certificate

THIRD ORDER OF MERIT.

WIRE MATTRESSES.

Woven Wire Mattress Co., Hartford, Connecticut certificate

FIFTH ORDER OF MERIT.

FOLDING CHAIRS.

New Haven Folding Chair Co., New
Haven, Connecticut certificate
Vail, E. W., Worcester, Massachu-
setts certificate

RATTAN SEATS.

Wakefield Rattan Co., Boston, Mas-
sachusetts certificate

FLOORCLOTH.

Scott Paper Co., Philadelphia,
Pennsylvania certificate

Jury Section X.—GLASS AND POTTERY.

SECOND ORDER OF MERIT.

PRESSED GLASS.

Hobbs, Brockunier and Co., Wheel-
ing, West Virginia certificate

GLASSWARE, PLAIN, ENGRAVED, CUT,
ETCHED, AND ORNAMENTAL.

Hobbs, Brockunier and Co., Wheel-
ing, West Virginia certificate

Jury Section XI.—JEWELLERY AND SILVERSMITHS' WORK.

FIRST ORDER OF MERIT.

GOLDSMITHS' AND SILVERSMITHS'
WORK.

Simpson, Hall, Miller and Co., Wal-
lingford, Connecticut silver

NICKEL PLATE ON IRON AND STEEL.
Smith and Wesson, Springfield,
Massachusetts silver

SECOND ORDER OF MERIT.

CELLULOID JEWELLERY.

Purdy and Huntington Co. Limited, New York
City certificate

Jury Section XII.—CIVIL ENGINEERING, PUBLIC WORKS.

FIRST ORDER OF MERIT.

ARTISTIC BRASSWORK AND DOOR
FURNITURE.

Russell and Erwin Manufacturing Co.,
New Britain, Connecticut gold

AMERICAN COOKING STOVES.

Rathbone, Sard and Co., Albany, New
York silver

LOCKS AND POST-OFFICE LOCKED
BOXES.

Yale Lock Manufacturing Co., Stam-
ford, Connecticut silver

CARBURETTED PETROLEUM GAS.

Smith, William, Pittsburg, Pennsyl-
vania bronze

LOCKS.

Eagle Lock Co., Terryville, Connee-
ticut bronze
Russell and Erwin Manufacturing Co.,
New Britain, Connecticut bronze

SELF-LOCKING PADLOCKS.

Miller, D. K., Lock Co., Philadelphia,
Pennsylvania bronze

OIL STOVES.

Adams and Westlake Coal Oil Stove
Co., Chicago, Illinois bronze
GG

SECOND ORDER OF MERIT**AMERICAN COOKING STOVES.**

Dighton Furnace Co., North Dighton, Massachusetts

certificate

Munsell, Rollo and Co., New York City

certificate

THIRD ORDER OF MERIT.**WOODEN HALL DOORS.**

Peabody, H. W., and Co., Boston, Massachusetts

certificate

DOOR BOLT.

Ives, Hobart B., New Haven, Connecticut

certificate

Jury Section XIII. & XXII.—CHEMICAL & PHARMACEUTICAL PRODUCTS.**FIRST ORDER OF MERIT.****MEDICINAL, SURGICAL, AND OTHER PLASTERS.**

Seabury and Johnson, New York City

silver

SOLUBLE PILLS, AND PHARMACEUTICAL PREPARATIONS.

Schieffelin, W. H., and Co., New York City

silver

SUGAR-COATED PILLS.

Warner, W. R., and Co., Philadelphia, Pennsylvania

silver

VARNISHES.

Valentine and Co., New York City

silver

MIXED PAINTS.

Pacific Rubber Paint Co., San Francisco, California

silver

PERFUMES.

Young, Ladd and Coffin, New York City

silver

MEDICINAL HERBS, ROOTS, AND BARKS.

Philadelphia College of Pharmacy, Philadelphia, Pennsylvania

bronze

LEATHER DRESSINGS.

Brown, B. F., and Co., Boston, Massachusetts

bronze

Hauthaway, C. L., and Sons, Boston, Massachusetts

bronze

MINERAL OILS.

Pease, F. S., Buffalo, New York

bronze

LUBRICANTS.

Harris, A. W., and Co., New York City

bronze

FLAVOURING ESSENCES.

Burnett, Jos., and Co., Boston, Massachusetts

bronze

SECOND ORDER OF MERIT.**EAU DE COLOGNE.**

Burnett, Joseph, and Co., Boston, Massachusetts

certificate

Young, Ladd and Coffin, New York City

certificate

PERFUMED TOILET PREPARATIONS AND SOAPS.

Eastman and Brother, Philadelphia, Pennsylvania

certificate

PRESSED MEDICINAL HERBS.

Cheney and Myrick, Boston, Massachusetts

certificate

THIRD ORDER OF MERIT.**BORAX SOAPS.**

Gill, T., New York City

certificate

Jury Section XIV.—LEATHERWORK AND FANCY ARTICLES.**FIRST ORDER OF MERIT.****MECHANICAL TOYS.**

Dare, C. W. F., New York City

bronze

THIRD ORDER OF MERIT.

DRESSING-CASES, WORKBOXES, AND CIGAR-CASES.		PIPES.	
Rumpp, C. F., Philadelphia, Penn- sylvania	certificate	Santifaller, J. B., New York City	certificate
PORTMANTEAUS AND TRUNKS.		MECHANICAL TOYS.	
Peddie, T. B., and Co., Newark, New Jersey	certificate	Milton, Bradley and Co., Spring- field, Massachusetts	certificate
Winship, W. W., Boston, Massa- chusetts		ORNAMENTS FOR TRANSFERRING TO SILK.	
	certificate	Palm and Fechteler, New York City	certificate

FOURTH ORDER OF MERIT.

COMBS.		BRUSHWARE.	
India-rubber Comb Co., New York City	certificate	Weed, O. H., and Co., Boston, Massachusetts	certificate

FIFTH ORDER OF MERIT.

MECHANICAL TOYS.	
M'Laughlin Bros., New York City	certificate

Jury Section XV.—COTTON, FLAX, HEMP, CLOTHING, &c.

SECOND ORDER OF MERIT.

BLEACHED CALICO.

Wamsutta Mills, New Bedford, Massachusetts	certificate
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FOURTH ORDER OF MERIT.

BUCKLES.		PAPER PATTERNS FOR DRESS- MAKING.	
West Haven Buckle Co., West Haven, Connecticut	certificate	Demorest, Mdme., New York City	certificate

FIFTH ORDER OF MERIT.

CELLULOID COLLARS AND CUFFS.		CORSETS.	
Purdy and Huntington Co. Limited, New York City	certificate	Mayer, Strouse and Co., New Haven, Connecticut	certificate

Jury Section XVII.—SILK AND LACE.

SECOND ORDER OF MERIT.

TWIST AND REELED SILK.

Belding Brothers, Rockville, Connecticut	certificate
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THIRD ORDER OF MERIT.

TWIST AND REELED SILK.

Nonotuck Silk Co., Florence, Massachusetts	certificate
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Jury Section XVIII.—WEAPONS, &c.

FIRST ORDER OF MERIT.

RIFLES AND CARBINES.
Providence Tool Co., Providence, Rhode
Island

gold

REPEATING RIFLES AND CARBINES.
Winchester Repeating Arms Co., New
Haven, Connecticut

gold

REVOLVERS.

Smith and Wesson, Springfield, Mas-
sachusetts

silver

SECOND ORDER OF MERIT.

SHOT GUNS.

Colt's Patent Firearms Manufacturing Co.,
Hartford, Connecticut
Parker Brothers, Meriden, Connecticut

certificate

certificate

Jury Section XX.—AGRICULTURAL PRODUCTS, NOT USED FOR FOOD.

FIRST ORDER OF MERIT.

MANUFACTURED AND HARD TOBACCOS

Cameron, William, and Brother,
Petersburg, Virginia

silver

Cameron, Alexander, and Co., Rich-
mond, Virginia

silver

Williams, T. C., and Co., Richmond,
Virginia

silver

CUT TOBACCOS.

Allen and Ginter, Richmond, Virginia
Kimball, Wm. S., and Co., Rochester,
New York

silver

silver

CIGARETTES.

Allan and Ginter, Richmond, Virginia

silver

Kimball, Wm. S., and Co., Rochester,
New York

silver

CUT, SMOKING, AND CIGARETTE TOBACCOS.

Gail and Ax, Baltimore, Maryland

silver

Jury Section XXIII.—LEATHER AND SKINS.

FIRST ORDER OF MERIT.

DRESSED SHOE LEATHER.

Cummings, John, and Co., Boston,
Massachusetts

silver

BELTING.

Hoyt, J. B., and Co., New York City

silver

SECOND ORDER OF MERIT.

BELTING.

Ballard, Stephen, and Co., New York City

certificate

THIRD ORDER OF MERIT.

SOLE LEATHER.

Schultz, Southwick and Co., New
York City

certificate

CALF.

Cummings, John, and Co., Boston,
Massachusetts

certificate

BELTING.

Page Belting Co., Concord, New
Hampshire

certificate

Sub-Jury.—SADDLES, HARNESS, &c.**FIRST ORDER OF MERIT.**

SET SINGLE HARNESS.		DOUBLE SET HARNESS.	
Hill, James R., and Co., Concord, New Hampshire	silver	Hill, James R., and Co., Concord, New Hampshire	silver

Jury Section XXIV. and XXV.—AGRICULTURAL IMPLEMENTS.**FIRST ORDER OF MERIT.**

REAPERS AND BINDERS.		IRON MOWER.	
M'Cormick Harvesting Machine Co., Chicago, Illinois	gold	M'Cormick Harvesting Machine Co., Chicago, Illinois	gold
Wood, Walter A., Hoosick Falls, New York	gold		
WORLD'S HARVESTER.		RAKES.	
Johnston Harvester Co., Brockport, New York	gold	Dodds and Jackson, Dayton, Ohio	silver
MOWER.		BARBED WIRE FENCE.	
Johnston Harvester Co., Brockport, New York	gold	Washburn and Moen Manufacturing Co., Worcester, Massachusetts	silver
Wood, Walter A., Hoosick Falls, New York	gold		
REAPERS.		JOINTED DISC HARROWS.	
Wood, Walter A., Hoosick Falls, New York	gold	Everett and Small, Boston, Massachusetts	silver
REAPERS AND MOWERS.		LIGHTNING HAY KNIFE.	
M'Cormick Harvesting Machine Co., Chicago, Illinois	gold	Holt, Hiram, and Co., East Wilton, Maine	bronze
		STOCK-BREEDER'S MEDICINE CHEST.	
		Sander, Enno, St. Louis, Missouri	bronze

SECOND ORDER OF MERIT.

WINNERS.		CIDER PRESS.	
Dickey, Albert P., Racine, Wisconsin	certificate	Lee, G., Niagara Falls, New York	certificate
PLOUGHS.			
Watt and Call, Richmond, Virginia	certificate		

THIRD ORDER OF MERIT.

REAPERS AND BINDERS.		HORSE HAY RAKES.	
Osborne, D. M., and Co., Auburn, New York	certificate	Williams Bros., Ithaca, New York	certificate

FIFTH ORDER OF MERIT.

CORN SHELLERS.	
New York Plough Co., New York City	certificate

Jury Section XXVI.—MACHINES, MACHINE TOOLS.**FIRST ORDER OF MERIT.**

PORTABLE ENGINE.		AIR-COMPRESSING MACHINERY.	
Frick and Co., Waynesboro, Pennsylvania	gold	National Drill and Compressor Co., New York City	gold

VERTICAL ENGINES, WITH BOILERS.
Colt's Patent Firearms Manufac-
turing Co., Hartford, Connecticut gold

WEIGHBRIDGES.
Fairbanks and Co., New York City gold

AUTOMATIC PUMP.
Brooks, Ezra, Hartford, Connecticut silver

FORCE, LIFT, AND HAND PUMPS.
Douglas, W. and B., Middletown, Con-
necticut silver

STEAM PUMPS.
Blake, Geo. F., Manufacturing Co.,
Boston and New York City silver

INDIA-RUBBER BELTING AND HOSE.
Gutta-percha and Rubber Manufac-
turing Co., New York City silver
Star Rubber Co., Trenton, New
Jersey silver

HYDRAULIC WATER MOTOR.
Tuerk Bros. and Johnson, Chicago,
Illinois silver

FRICTION CLUTCH PULLEY.
Mason, Volney W., and Co., Providence,
Rhode Island silver

PLATFORM MACHINES.
Fairbanks and Co., New York City silver
Howe Scale Co., Rutland, Vermont silver

WINDMILLS.
Stephens and Woodin, San Fran-
cisco, California silver

FORGE BLOWERS.
Boston Blower Co., Boston, Massa-
chusetts silver

MICROMETER, CALIPERS, AND DRILL
CHUCKS.
Victor Sewing Machine Co., Middle-
town, Connecticut bronze

SECOND ORDER OF MERIT.

WOOD-WORKING MACHINERY.
Fay, J. A., and Co., Cincinnati,
Ohio certificate
Frank and Co., Buffalo, New York certificate
Rowley and Hermance, Williams-
port, Pennsylvania certificate

FORTABLE FORGES.
Empire Portable Forge Co., Cohoes,
New York certificate

WATSON'S PORTABLE FORGE.
Cleveland Steam Gauge Co.,
Cleveland, Ohio certificate

STAND SCALES AND COUNTER
MACHINES.
Fairbanks and Co., New York City certificate
Howe Scale Co., Rutland, Vermont certificate

SODA-WATER MACHINE.
Smith, H. T., New York City certificate

FORCE, LIFT, AND HAND PUMPS.
Gould Manufacturing Co., Seneca
Falls, New York certificate
Rumsey and Co., Seneca Falls,
New York certificate

THIRD ORDER OF MERIT.

VERTICAL ENGINES, WITH BOILERS.
Lovegrove and Co., Philadelphia,
Pennsylvania certificate | Williams Bros., Ithaca, New York certificate

FOURTH ORDER OF MERIT.

MODEL OF STEAM ENGINE.
Coon, W. L., Wakefield, Massachusetts certificate

Jury Section XXVII.—CARRIAGES.

FIRST ORDER OF MERIT.

SULKY.
Pray, Joseph F., Boston, Massa-
chusetts silver

DOUBLE-SEATED CONCORD TOP
BUGGIES.
Abbot Downing Co., Concord, New
Hampshire silver

WAGGON AND CARRIAGE WHEELS.
New Haven Wheel Co., New Haven,
Connecticut bronze

SINGLE-SEATED TOP BUGGY.
Brewster and Co., New York City *

* Arrived too late to receive a prize.

SECOND ORDER OF MERIT.

CANVAS BUGGY TOP.
North, O. B., and Co., New Haven,
Connecticut certificate

OPEN-SEATED CONCORD BUGGY.
Abbot Downing Co., Concord, New
Hampshire certificate

SPOKES AND HANDLES.
Musselman, S., and Sons, Quaker-
town, Pennsylvania certificate

Jury Section XXVIII.—RAILWAYS, MINING, AND METALLURGY.

FIRST ORDER OF MERIT.

ROCK-BORERS.
The National Drill and Compressor
Co., New York City gold

MUSEUM COLLECTION.
Ward, H. A., Rochester, New York gold

EDGE TOOLS, DRAWING-KNIVES,
AUGERS, BITS, AND CHISELS.
Russell and Erwin Manufacturing Co.,
New Britain, Connecticut gold

EDGE TOOLS, AUGER BITS, AND
HOLLOW AUGERS.
Ives, W. A., New Haven, Connecticut gold

EDGE TOOLS, SHOVELS, AND SPADES.
Ames, O., and Sons, North Easton,
Massachusetts gold

FIRE AND BURGLAR PROOF SAFES.
Herring and Co., New York City gold

HORSE-SHOE NAILS.
Globe Nail Co., Boston, Massachusetts silver
Putnam Nail Co., Neponset, Massa-
chusetts silver

FIREPROOF SAFES.
Frothingham and Emory, New York
City silver
Herring and Co., New York City silver

HOLLOWWARE AND STAMPED GOODS.
Lalace and Grosjean, New York City silver

BARBED FENCING-WIRE.
Washburn and Moen Manufacturing
Co., Worcester, Massachusetts silver
Railway Barb Fencing Co., Cleveland,
Ohio silver

SIGNAL AND CATTLE BELLS.
Bevin Bros. Manufacturing Co., East
Hampton, Connecticut silver

SCREWS, BOLTS, AND NAILS.
Field, A., and Sons, Taunton, Massa-
chusetts silver

HOLLOWWARE AND STAMPED GOODS,
NICKEL SILVER, PLATED GRANITE
IRONWARE.

Manning, Bowman and Co., West
Meriden, Connecticut silver

KEROSENE OILS, "AURORA" AND
"EVENING STAR."
Peabody, H. W., and Co., Boston,
Massachusetts silver

SADDLERS' AND HARNESS-MAKERS'
TOOLS.
Osborne, C. S., and Co., Newark,
New Jersey silver

LEVELS, IRON PLANES, AND RULES.
Stanley Rule and Level Co., New
Britain, Connecticut silver

SCARFING MACHINE.
Magee, N., New York City silver

DRILLS AND TAP WRENCHES.
Morse Twist Drill and Machine
Co., New Bedford, Massachusetts silver

AXES, ADZES, MATTOCKS, AND PICKS.
Douglas Axe Manufacturing Co.,
Boston, Massachusetts silver

AXES AND PICKS.
Collins and Co., Hartford, Connecticut silver

SAWS.
Disston, H., and Sons, Philadelphia,
Pennsylvania silver

ENGINE PACKING.
Silver Lake Co., Boston, Massachusetts bronze

LOCKS AND BUILDERS' HARDWARE.
Russell and Erwin Manufacturing
Co., New Britain, Connecticut bronze

SECOND ORDER OF MERIT.

SCREW BOLTS AND NAILS.
 Dunbar, Hobart and Whidden, S.,
 Abingdon, Massachusetts certificate
 Grilley Screw Co., New Haven,
 Connecticut certificate
 Morris, Wheeler and Co., Phila-
 delphia, Pennsylvania certificate

ICE-CREAM FREEZERS.
 Blatchley, Charles G., Philadelphia,
 Pennsylvania certificate
 MANURE, SPADING, AND SLUICING
 FORKS.
 Lawson and Brenizer, Philadelphia,
 Pennsylvania certificate

THIRD ORDER OF MERIT.

COFFEE MILLS.
 Enterprise Manufacturing Co., Philadelphia, Pennsylvania certificate

HONOURABLE MENTION.

WEATHER VANES.
 Harris and Co., Boston, Massa-
 chusetts certificate

MILLPICKS.
 Higgins, J. C., Chicago, Illinois certificate

Sub-Jury.—RAILWAY APPLIANCES.

FIRST ORDER OF MERIT.

CHILLED CAST-IRON WHEELS FOR
 RAILWAYS AND TRAMWAYS.
 Whitney, A., and Sons, Philadelphia,
 Pennsylvania silver

RAILWAY WEIGHING MACHINES
 AND SCALES.
 Fairbanks and Co., New York City silver

RAILWAY TICKET PUNCHES.
 Hill, Warren, Boston, Massachusetts bronze

SECOND ORDER OF MERIT.

RAILWAY SIGNALS.
 Tillotson, L. G., and Co., New York City certificate

Jury Section XXIX.—TELEGRAPHIC APPARATUS.

FIRST ORDER OF MERIT.

TELEPHONES AND ELECTRIC
 ANNUNCIATORS.
 Telephone Construction Co. (Edison
 and Bell), Chicago, Illinois, and
 New York City gold
 Western Electric Manufacturing Co.,
 Chicago and New York City gold

ELECTRIC PEN.
 Edison, Thomas A., Menlo Park, New
 Jersey silver

THIRD ORDER OF MERIT.

ELECTRIC LIGHT CARBONS.
 Wallace and Sons, Ansonia, Connecticut certificate

Jury Section XXX.—NAVIGATION.

FIRST ORDER OF MERIT.

HINGHAM MANILLA ROPE.
 Whiton, M. F., and Co., Boston,
 Massachusetts silver

RAVEN COTTON DUCK, AND LAW-
 RENCE CANVAS.
 Whiton, M. F., and Co., Boston,
 Massachusetts

OARS, SCULLS, AND HANDSPIKES.

De Grau, Aymar and Co., New York City	bronze
Page, E. W., and Son, New York City	bronze

SHIP'S BERTH.

Huston Ship's Berth Co., Boston and New York City	bronze
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SECOND ORDER OF MERIT.

SMALL LINES, TWINES, SASH-CORDS.

Silver Lake Co., Boston, Massachusetts	certificate
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Jury Section XXXI. and XXXII.—CEREALS, CONDIMENTS,
AND STIMULANTS.

FIRST ORDER OF MERIT.

DESSERT FRUITS, PRESERVED IN
SYRUP.

San José Fruit Packing Co., San José, California	silver
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BUTTER, IN TINS.

Simpson, M'Intyre and Co., Boston, Massachusetts	silver
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Jury Section XXXIII.—MEAT AND FISH.

SECOND ORDER OF MERIT.

TINNED SALMON AND SARDINES.

Cook, J. W. and J., Portland, Oregon	certificate
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Jury Section XXXIV.—WINES.

FOURTH ORDER OF MERIT.

Lachman, S., and Co.	...	San Francisco, California	...	Riesling	Vintage not given
Lachman, S., and Co.	...	" "	...	Madeira	
Lachman, S., and Co.	...	" "	...	Red zinfandel	

FIFTH ORDER OF MERIT.

Lachman, S., and Co.	...	San Francisco, California	...	Sweet muscat
Lachman, S., and Co.	...	" "	...	Malaga
Lachman, S., and Co.	...	" "	...	Mount vineyard
Lachman, S., and Co.	...	" "	...	Port

Jury Section XXXIVa.—SPIRITS.

FOURTH ORDER OF MERIT.

BRANDY, IN CASE.

Lachman, S., and Co., San Francisco, California	certificate
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Jury Section XXXV.—BEERS.

SECOND ORDER OF MERIT.

LAGER CHAMPAGNE, BOTTLED.

Kuntz, W. F., and Co., New York City	certificate
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Jury Section XXXVI.—HORTICULTURE AND CONSERVATORIES.**FIRST ORDER OF MERIT.**

DAVIS LAWN-RAKE. Dodds and Jackson, Dayton, Ohio	silver	PONY LAWN-MOWERS. Charter Oak Lawn-mower Co., Hart- ford, Connecticut	bronze
HAND LAWN-MOWERS. Charter Oak Lawn-mower Co., Hart- ford, Connecticut	bronze		

SECOND ORDER OF MERIT.

HAND LAWN-MOWERS. Chadborn and Coldwell, Newburgh, New York	certificate	HORTUS SICCUS. The Museum of Wesleyan Uni- versity, Middletown, Connecticut	certificate
Lloyd, Laurence and Co., Phila- delphia, Pennsylvania	certificate		

Jury Section XXXVII.—WEAVING, SEWING, AND PRINTING MACHINERY.**FIRST ORDER OF MERIT.**

FAMILY SEWING MACHINES, TREADLE OPERATED. The Davis Sewing Machine Co., Water- town, New York	gold	CLOTH MANUFACTURING MACHINES. Wheeler and Wilson Manufacturing Co., Bridgeport, Connecticut	silver
FAMILY SEWING MACHINES, HAND- POWER. The Davis Sewing Machine Co., Water- town, New York	gold	KNITTING MACHINES. Lamb Knitting Machine Manufacturing Co., Chicopee Falls, Massachusetts	silver
LEATHERWORK MACHINES. Wheeler and Wilson Manufacturing Co., Bridgeport, Connecticut	silver	UNIVERSAL PLATTEN PRINTING PRESS. Gally, Merritt, New York City	silver

SECOND ORDER OF MERIT.

FAMILY SEWING MACHINES, TREADLE OPERATED. Johnson, Clark and Co., New York City	certificate	SELF-INKING PRINTING PRESS. Golding and Co., Boston, Massa- chusetts	certificate
Wheeler and Wilson Manufactur- ing Co., Bridgeport, Connecticut	certificate	AMERICAN TYPE WRITER. Remington, E., and Sons, Ilion, New York	certificate
FAMILY SEWING MACHINES, HAND- POWER. Johnson, Clark and Co., New York City	certificate	TWEED AND SHAWL WEAVING LOOM. Gilbert, Chas., and Co., Worcester, Massachusetts	certificate
Wheeler and Wilson Manufactur- ing Co., Bridgeport, Connecticut	certificate	MACHINE NEEDLES. Supplee Needle Co., Philadelphia, Pennsylvania	certificate

AWARDS AT THE HORTICULTURAL SHOWS.

MELBOURNE INTERNATIONAL EXHIBITION, 1880-81.

Name.	Exhibit.	Award.	Award. — Medal.
Ardagh, R. ..	Cut roses, collection of dianthus, collection of annuals, general collection of flowers	5 first, 4 second, 3 third	Bronze
Ah Wee ..	Maize in cob, tobacco plants ..	2 first ..	Certificate
Ashby, T. ..	Verbenas, annuals, phlox drummondi, pumpkins	3 first, 3 second ..	"
Boyce, H. ..	Plants in bloom, foliage plants, and crotons ..	3 first ..	"
Bailey, W. ..	Dessert apples and pears ..	2 second, 1 third ..	"
Bruhn, A. ..	Collection of wine grapes ..	1 special ..	"
Berry, N. ..	" fruit ..	1 special ..	"
Berry, H. ..	Special fruit ..	1 commended ..	"
Bolton, J. C. ..	Pot plants ..	1 first, 1 second, 1 third ..	"
Brunning, G., and Son	Pelargoniums, caleolarias in bloom, ericas, collection of dianthus, and cut flowers	2 second, 7 first ..	Bronze
Bennett, G. ..	Maize in sheaf, fodder plants ..	2 first ..	Certificate
Chandler, W. ..	Fruit, vegetables, and flowers ..	11 first, 6 second, 1 third, 1 commended	Bronze
Craike, Thos. ..	Collection of fruit ..	11 first, 3 second, 3 third	Silver
Cole, J. C. ..	" " ..	4 first, 2 special ..	"
Cheeseman, R. ..	" ornamental foliage plants ..	7 first, 2 second ..	Bronze
Cairnes, E. M. ..	" cut flowers and pot plants ..	2 first, 3 second, 2 third, 1 commended	Certificate
Carson, D. ..	Pot plants ..	1 first, 1 second ..	"
Draper, C. ..	Collection of fruits ..	11 first, 5 second ..	Silver
Dall, J. ..	" tree ferns ..	3 first ..	Certificate
Dean, W. ..	" cut roses ..	1 second ..	"
Dunstan, C. ..	" fruit and vegetables ..	8 first, 6 second, 1 third	Bronze
Delbridge, W. ..	" grapes ..	3 first, 1 commended	Silver
Delbridge, G. T. ..	" " ..	1 first ..	Certificate
Ellison and Johnson ..	Table bouquet, collection of cut roses and flowers, fruit and vegetables	4 first, 4 second, 3 third, 2 commended	Bronze
Downward, Mrs. ..	The most artistically arranged epergne of larkspurs	2 second, 1 third ..	Certificate
Fritsch, A. ..	Table decoration flowers, table bouquet, flowers ..	1 second, 2 third ..	"
Ferguson, W. ..	General collection of forest products ..	1 first ..	Bronze
Fankhauser, F. ..	Collection of fruit ..	3 first, 3 second, 1 third, 1 commended	"
Graham, A. J. ..	" cut flowers ..	1 first ..	Certificate
Guilfoyle, W. R. ..	Special collection of plants in bloom foliage ..	2 first ..	Silver
Harrison, J. B. ..	Plants in bloom, foliage plants, cut flowers, pot-grown plants, collection of plums	22 first, 6 second, 1 third	"
Harris, Joseph, M.P. ..	Collection of forest trees ..	1 first ..	Certificate
Harris, Ion ..	Cut flowers, plants in bloom, fruit ..	3 first, 1 third, 1 commended	"
Harris, A. A. ..	Fruit, cooking apples, and vegetables ..	1 first, 1 second, 2 third, 2 commended	"
Heywood, W. D. ..	Fruit and vegetables, green maize, arrowroot plants	3 first, 4 second, 1 third, 1 commended	"
Holt, A. ..	Collection of fruit, tomato sauce, and broad beans	1 first, 4 second 1 third	"
Hodgkinson, Miss A.O. ..	Epergne and dried fruit ..	3 first ..	Bronze
Ingram, A. ..	Collection of cut flowers, roses and fruit ..	11 first, 2 second, 1 third, 2 commended	"
Ingram, Mrs. A. E. ..	Roses, and best arranged flowers in vase ..	1 first, 2 second, 1 third	Certificate
Ireland, W., and Co. ..	Hand and bridal bouquet ..	3 first, 3 second ..	"
Jackson, C. ..	Roses, cut flowers, plants in bloom, foliage plants, fruit	18 first, 10 second ..	Silver
Jackson, Miss F. ..	Flowers for table decoration, best arranged epergne, hand and botton-hole bouquets	5 first, 3 second ..	Bronze
Johnson, S. and G. ..	Flowers in bloom, hand, table, and bridal bouquets, ferns	5 first, 8 second ..	"
Kinane, J. ..	Roses and verbenas ..	2 second, 1 third ..	Certificate
Law, Somner and Co. ..	Various collection of pot-grown plants ..	3 first, 2 second ..	"
Laird, M. ..	Green maize in sheaf, maize in cob ..	2 first ..	"
Longley, N. ..	Collection of pot-grown plants ..	1 first ..	"
Logan, D. ..	" grapes and almonds ..	1 commended, 2 second ..	"
Lang, James ..	" fruit ..	9 first, 1 second ..	Silver
Mock, G. ..	" vegetables ..	15 first, 16 second, 1 third	"

Name.	Exhibit.	Award.	Award. — Medal.
Marriott, J. ..	Collection of fruit and cooking apples ..	8 first, 1 commended	Bronze
May, C. ..	" " " " ..	6 first, 2 second ..	"
Morey, J. ..	" " " " ..	5 second ..	Certificate
Marshall, C. R. ..	Dessert apples and walnuts ..	1 first, 1 third ..	"
Macpherson, A. ..	Queensland fibres ..	1 first ..	"
Mellon, F. ..	Collection of dried fruits ..	1 special ..	Bronze
Miller, L. ..	" " cut flowers ..	commended ..	"
Manning, James ..	Vegetable products ..	1 first ..	Certificate
Neilson, Geo., Victoria Horticultural Society	Continuous display of miscellaneous fruits ..	2 first, 1 special ..	Silver
New South Wales Commission ..	Collective exhibit of vegetables and fruit ..	2 special ..	(2)
Oldmeadow, T. A. ..	Fruits in summer syrup and water ..	first ..	Bronze
Privett, C. ..	Wardian case of special ferns ..	first ..	Certificate
Queensland Commission ..	Miscellaneous fruits and economic plants ..	1 first, 1 commended ..	(2)
Ratray, W. ..	Cut roses, pansies, verbenas, and lemons ..	4 first, 5 second, 1 commended	Bronze
Rimmington, Geo. ..	Cut flowers ..	4 first, 1 second ..	"
Ryan, C. ..	" " " " ..	1 first, 1 third ..	Certificate
Roberts, Mrs. J. F. ..	" " " " ..	2 first, 2 second, 1 third ..	"
Robertson, F. ..	Cut everlastings ..	2 first ..	"
Ridgell, — ..	Peaches ..	1 first ..	"
Radenbach, — ..	Spanish chestnuts and green walnuts ..	1 first ..	"
Smith, Job ..	Root crops ..	1 first ..	"
See, — ..	Sugar cane in variety ..	1 first ..	"
Stoddart, H. ..	Verbenas, cut flowers, and hand bouquet ..	2 first, 3 second, 3 third, 1 commended	"
Stoddart, Miss L. ..	Bridal bouquet, epergne ..	3 first, 1 third ..	"
Shattock, A. M. ..	Flowers for table decoration ..	1 first, 2 second ..	"
Shaw, F. K. ...	Wine grapes ..	1 second ..	"
Strachan, J. ..	Dried fruits ..	1 first ..	"
Smith, C. H. J. ..	Honey in comb ..	1 first ..	"
Schwokolt, A. ..	Beeswax ..	1 second ..	"
Stevenson, H. T. ..	Tomatoes ..	1 first ..	"
Scott, Jas., and Son ..	Cut flowers and pot plants ..	3 first, 2 second ..	Bronze
South Australian Commission	Miscellaneous collection of fruits, vegetables, and grain	30 first, 5 second ..	(2)
Scott, John ..	Fruit and vegetables ..	2 first, 5 second ..	Certificate
Sims, G. J. ..	Cut flowers ..	6 first, 2 second ..	Bronze
Stone, C. ..	Fruit and vegetables ..	2 first, 6 second ..	Certificate
Smith, J. S. ...	Potatoes ..	1 first ..	"
Smith, G. ..	Pot-grown flowers, plants, and cut flowers ..	4 first, 1 second, 2 third ..	"
Stuart, A. ..	Plants in bloom, various pot-grown plants, ornamental foliage plants	10 first, 1 second ..	Bronze
Taylor, A. T. ..	Sugar maize in cob ..	1 first ..	Certificate
Turner, Miss J. ..	Cut flowers and fruit ..	1 second, 1 third, 1 commended	"
Trebour, T. ...	Fruit ..	1 third ..	"
Taylor and Sangster ..	Cut flowers, pot plants, tree ferns ..	10 first, 6 second, 2 third ..	Silver
Ware, W. R. ..	Dried fruits ..	1 second ..	Certificate
Williams, Miss G. F. ...	Hand and bridal bouquets ..	2 first, 1 second ..	"
Wright, Miss E. A. ..	Native flowers ..	Commended ..	"
White, Mrs. ...	Mulberries ..	1 second ..	"
Woodmason, W. ..	Vegetables and fruit ..	32 first, 11 second, 1 third ..	Silver
Watts, W. ..	Hops on pole ..	1 special first ..	Certificate

(2) Certificate equal to silver.

AWARDS AT THE DAIRY PRODUCE SHOWS.

MELBOURNE INTERNATIONAL EXHIBITION, 1880-81.

Name.	Exhibit.	Award.
1st Awards.		
Burke, M.	Cheese	Silver
Campbell, Mrs. J.	Honey	Bronze
Caffin, A.	Goose and duck eggs	Certificate
Hutton, J. C.	Hams, bacon, rolled bacon, beef hams, German sausage, and ox tongues	Bronze
Melbourne Ham and Bacon Co.	German sausage	"
M'Intyre, S., and Co.	Butter	"
Nicholson, D.	Turkeys' eggs	Certificate
Smith, G.	Cheese	Silver
Schultz, G. E.	Fresh butter, eggs, lard	Bronze
Trimble, Mrs. R.	Fresh butter	"
Rohead, J.	Rolled bacon	"
Watson and Patterson	Hams and bacon	"
Wilson, D.	Butter	"
2nd Awards.		
Elliott, R. C.	Butter for exportation	Certificate
Foy, F.	Cheese	"
Hutton, J. C.	Bacon	"
Foord, J.	Hams	"
Milne, R.	Cheese	"
Rohead, J.	Lard	"
Melbourne Ham and Bacon Co.	Rolled bacon	"
Top, Mrs.	Fresh butter, prepared for market	"
Schultz, G. E.	Honey	"
Taubinan, Mrs.	Fresh butter, prepared for market	"
Watson and Patterson	Rolled bacon, beef hams, German sausage, bacon	"
3rd Awards.		
Foy, F.	Cheese	Certificate
Hutton, J. C.	Bacon and lard	"
Melbourne Ham and Bacon Co.	Bacon	"
Longmire, F.	Fresh butter, as prepared for market	"
Rohead, J.	Rolled bacon, beef ham, German sausage	"
Stewart, R.	Cheese	"
Shaw, F. K.	Butter for exportation	"
Smith, J.	Fresh butter, as prepared for market	"
Watson and Patterson	Hams and rolled bacon	"
D'Arcy, Miss	Fresh butter, as prepared for market	Commended
Capper, S.	Preserved milk	Specially commended
Campbell, Mrs. J.	Fresh butter, as prepared for market	Commended
Wood and Co.	Butter for exportation, anatto, and rennet	Specially commended
Longmore, F.	Honey	"
Keys, Mrs. S. C.	Honey, and honey in comb	Highly "
Watson and Patterson	Preserved fruits and meats	Specially "
Woolcock, J.	Dripping	Highly "

MEDALS FOR SERVICE.

AUSTRO-HUNGARY.

GOLD MEDALS.

His Imperial Highness the Archduke Carl Ludwig of Austria.

Herr Franz Wilhelm, President of the Commission.

Victor Schönberger, K.C.F.J., Executive Commissioner.

SILVER MEDALS.

His Excellency Ritter von Chlumecky.

His Excellency Baron Korb von Weidenheim.

His Excellency Alfr. Ritter von Kremer-Auenrode.

His Excellency Baron Pino von Friedenthal.

His Excellency Baron Leopold Hoffmann, President of the Imperial and Royal Oriental Museum, &c., Vienna.

Georg Ritter von Thaa.

Herr Edward Wilhelm, Assistant Commissioner.

Dr. Francis Migerka, Imperial and Royal Aulic Councillor, President Vienna Merchants' Union.

Herr M. Matscheko, M.P., and President of the Lower Austrian Trade Union, Vice-President.

Herr Charles Falkbeer, I. and R. Ministerial Secretary in the Ministry of Finance, Secretary.

BRONZE MEDALS.

Members of the Executive Committee:—

Herr Edward Göpfert.

Herr Hermann Gerhardus.

Herr Henry Klinger, Councillor of the Board of Trade.

Herr Francis Stiasny.

William Chevalier de Lindheim, Consul, Treasurer.

Baron Marco Morpurgo, President of A. U. Lloyd, Trieste.

Herr Johann Goegl, President of the Chamber of Commerce, Vienna.

Carlo Commendatore Reinelt, President of the Chamber of Commerce, Trieste.

Richard Ritter von Dotzauer, President of the Chamber of Commerce, Prague.

Jul. Ritter von Gompertz, President of the Chamber of Commerce, Brünn.

DIPLOMAS.

Members of Committee:—

Herr Frederic Ehrbar.

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AUSTRO-HUNGARY.

Class 1.—Oil Paintings.

Budinszky, D. M., Vienna.—Oil painting.
Hohenberger, H., Trieste.—Two oil paintings—
"Still Life."

Class 2.—Various Paintings and Drawings.

Bogner, A., Vienna.—Photographs, painted in oil,
transparent, and etched on glass.
Bouche, H., Vienna.—Photographs painted in oil.
Devide, Th., Vienna.—Gobelin imitation, four ceiling
pictures, oil paintings by Viennese masters.
Faber, A., Trieste.—"Rural Scene," photographed
on cloth in imitation of Gobelin, and painted by
Prof. Sturm.
Falb, C., Vienna.—Enamel and porcelain paintings.
Zasche, J., Vienna.—Porcelain and enamel paintings;
portraits, dishes, vases, plates; enamelled
boxes, articles of attire, &c.

Class 3.—Sculpture and Die-sinking.

Jackel, Z. J., Spitz-on-the-Danube.—Wood carvings.
Tilgner, V., Vienna.—Bronze bust of Francis
Joseph I., Emperor of Austria.

Unterberger, Fr., Innsbruck.—Tyrolese wood
carvings of "Margaret, Daughter of Emperor
Maximilian I.;" "Speckbacher and his Son," &c.
Vogl, A., Innsbruck.—Statues; "Heart of Jesus."—
"Two Kneeling Angels."—"Child Jesus."—Framed
station picture.

Class 5.—Engravings and Lithographs.

Czeiger, S., Vienna.—Self-published printed oil-
colour pictures and baroque frames.
Engel, E. M., Vienna.—Printings, illustrated works,
pictures of photo., typo., and litho. prints.
Gerlach, M., and Co., Vienna.—Art publishing
works, illustrated; and some tableaux.
Holzel, E., Vienna.—Printed oil-colour pictures in
frames, and objects for instruction.
Neumann, L. T., Vienna.—Printed oil-colour pic-
tures.
Reiffenstein, G., I.R., Vienna.—Chromo-litho-
graphs.
Stockinger, J., and Morsack, Al., Vienna.—
Modelling, cartoons, picture-sheets and painted
figures, pictures for children and schools.
Trassler, A., Troppau.—Pictures in frames (photo-
graphs in chromo-lithography).

BELGIUM.

Class 1.—Oil Paintings.

Abry, L., Antwerp.—"Reverie."
Asselbergs, A., Brussels.—"A Winter Day."
Beernaert, Mdle. E., Brussels.—"Oak Trees at
Modave."—"The Pool of Planchiport."
Bellis, H., Brussels.—"Fruit."—"Oysters."
Berlin, J., Brussels.—"Bad News."—"A Visit."
Bossuet, F., Brussels.—"View of Grenade."—"Xeres,
South of Spain."
Bouvier, A., Brussels.—"The Scheldt at Tholen,
Holland."
Carabain, T., Brussels.—"View at Anticoli-Corrado,
Italy."
Ceriez, Th., Ypres.—"Sketching a Bust—Time of
Louis XV."
Clarys, A., Brussels.—"Lions Fighting."—"Races."
Cluysenaar, A., Brussels.—"Le Petit Gate-Sauce."
Cogen, F., Brussels.—"Fishermans."—"Fishermen
Returning from Shrimp-fishing."
Collard, Mdle. M., Brussels.—"After the Rain."
Coosemans, J. Th., Brussels.—"Entrance of
Wolf's Glen, Forest of Fontainebleau."
Courtens, F., Brussels.—"Am Morning."
De Biseau, A., Brussels.—"Winter, near Dinant."
—"Old Mill on the Bièvre."
De Block, E., Brussels.—"The Fisherman's Bride."
De la Hoese, J., Brussels.—"The Broken Chair."
De Bruycker, Antwerp.—"The Lesson in Botany."

De Pratere, Ed., Brussels.—"Extra Post Horses
in Snowy Weather."
De Schampheler, Ed., Brussels.—"Dordrecht
on the Meuse."—"Tamise on the Scheldt."
De Vigne, Mdme. E., Ghent.—"Peonies and
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Farasyn, E., Antwerp.—"Naughty Pussy."
Francia, A., Brussels.—"On the Beach, Scheven-
ingen, Holland."—"Loch Katrine, in Scotland."—"Flemish Fishermen."
Gabriel, P. C. J., Brussels.—"Landscape."
Gerard, T., Brussels.—"Hounds Feeding after
Hunting."
Glibert, A., Brussels.—"Cabaret, under the Direc-
tory."
Herbo, L., Brussels.—"A Brunette."—"A Mar-
riage."
Heyermans, T., Antwerp.—"A Village Shop in
Flanders."
Heymans, A. J., Antwerp.—"Sunrise."
Hirth, du Fresnes, Nieuport.—"The Market-
place at Nieuport."
Impens, J., Brussels.—"The Artist."
Jacobs, A. R., Brussels.—"Little Greedy One."
Keelhoff, F., Brussels.—"The Water Mill."—"View
of the Environs of Tongres."
Kuhnen, V., near Neufchateau.—"Oven in Brit-
tany."—"Italian Girl."—"The 'Steen,' in Antwerp."
—"Young Lady."

Markelbach, Brussels.—"Cromwell at Lady Claypole's."
 Mellery, X., Brussels.—"Cornelia, Mother of the Gracchi."—"Woman in the Campagna of Rome."
 Mols, R., Antwerp.—"The Port, Antwerp."
 Musin, A., Brussels.—"The Tower of London."
 Musin, F., Brussels.—"The Quay at Ostend."
 Oyens, D., Brussels.—"Business before Pleasure."
 Oyens, P., Brussels.—"The Studio."
 Portaels, T., Brussels.—"Thou Shalt Not Kill."—"Spring."—"Mignon."—"Souvenir of Morocco."
 Rayemaekers, T., Brussels.—"Deer Shooting."—"Bog Shooting."
 Ringel, F., Brussels.—"Oriental Sentry."
 Robbe, H., Brussels.—"Flowers."—"Fruits."
 Robbe, L., Brussels.—"A Meadow in Flanders."
 Rofflaen, F., Brussels.—"Morning on the Lake of Brienz, Switzerland."
 Rosseels, T., Termonde.—"Midday on the Scheldt."
 Sacre, E., Brussels.—"Summer."
 Seeldrayers, E., Brussels.—"Monks Begging in Antwerp."
 Serrure, A., Brussels.—"Homesick."
 Slingeny, E., Brussels.—"The Tambourine."
 Soubre, C., Liège.—"The Notched Sword."
 Stallaert, J., Brussels.—"A Young Girl at Albano."—"Young Italian."
 Stevens, A., Brussels.—"Reverie."
 Stevens, J., Brussels.—"Persecution."
 Stroobant, T., Brussels.—"View at Delft."
 Tschaggeny, C., Brussels.—"Under Fire."
 Van der Bussche, E., Brussels.—"The War in Montenegro." (Van Lil, Joseph.)
 Van der Meulen, Edm., Brussels.—"Dogs in Kennel."
 Van Leemputten, F., à Jette-lez-Brussels.—"Breakfast."
 Van Seben, Brussels.—"Children's Winter Games."—"Winter."
 Van Severdonck, J., Brussels.—"The Swell Sleigh."
 Verhas, J., Brussels.—"Martha's Pigeons."—"In the Corner."
 Verheyden, L., Groenendal.—"Heath, near Waesmunster."
 Verheyden, J. J.—"A Maid Servant."
 Verhoeven-Ball, Antwerp.—"The Christmas Pudding."—"Flower Girl of the Park."

Verwee, Ch. L., Brussels.—"The Beguinage at Bruges."
 Verwee, A., Brussels.—"Cows at Pasture."
 Wilson, G., St. Gilles-lez-Brussels.—"The Organ Player."

Class 2.—Various Paintings and Drawings.

De Biseau, A., Brussels.—Two etchings in aquafortis.
 Gasparoli, Mdle. M., Brussels.—Hand-paintings on porcelain.
 Gunther, Mdle. L., Brussels.—Hand-paintings on porcelain.
 Maltby, Mdle. E., Brussels.—Hand-paintings on porcelain.
 Maltby, Mdle. G., Brussels.—Hand-paintings on porcelain.
 Michel, Mdle. C., Brussels.—"In a Forest" (in chalk).
 Robinson, J., Brussels.—Hand-paintings on porcelain.
 Rochard, Mdme. H., Brussels.—Hand-paintings on porcelain.
 Tourteau, E., Brussels.—Hand-paintings on porcelain.
 Van Bomberghen, Mdme. J., Antwerp.—Hand-paintings on porcelain.
 Van Immerseel, Mdle. E., Brussels.—Hand-paintings on porcelain.

Class 3.—Sculpture and Die-sinking.

Brunin, C., Mons.—Groups in marble:—"Napoli-tani."—"La Milanaise."—"Ciocciara."
 Cattier, A., Brussels.—Groups in bronze:—"Italian Girl at a Fountain."—"Young Spartan."
 Comein, P., Brussels.—Five groups in terra-cotta.
 Laborne, Ed., Brussels.—"Resentment" (terra-cotta, broken).
 Laumans, J., Laeken.—"Teaching the Dog" (bronze).
 Ludwig, L., Brussels.—"Innocents' Day" (terra-cotta).
 Wiener, C., Brussels.—"Mutual Love" (group in terra-cotta).

Class 5.—Engravings and Lithographs.

Danse, A., Mons.—An engraving—"La Folie de Hugues van der Goes," by Wauters.

FRANCE.

NATIONAL EXHIBITS.

National Manufactory of Beauvais.—Screens of tapestry work, from the models of M. Chabal-Dussurgey, assisted by the following artists:—MM. Alexandre Mahu, Cantrel, Ducastel, Lefevre, Jules Leveque, Charles Leveque, Senau.

National Manufactory of Gobelins.—"The Earth." Tapestry manufactured in 1877, according to the model of Charles Le Brun (XVII. century), by the following artists: for the figures—MM. Ernest Flament, Edouard Flament, Charles Durand, Rudhomme, Rousseau, Boiton, Sollier; for the embroidery—MM. Sollier, Rousseau, Maloïrel, Duruy, Vernet, Desroy, Munier, Marie, de Brancas. This tapestry is intended to be placed in the new Hotel de Ville, Paris.

National Manufactory of Sevres.—One vase, Etruscan shape, painted and decorated by M. de Courcy.—Flower stand, blue.—Clodion vases, painted by M. Baldisseroni.—Rivoli cup, painted and decorated by M. Dammouse, in *pâte appliquée*.—Salamine vase, designed by Mrs. Escallier, executed by the above-mentioned process by M. Celos.—Vase Potiche, similarly executed by M. Caban.—Rimini vases.

Class 1.—Oil Paintings.

Allonge, A., Paris.—"A Road."
 Avoit, J., Paris.—"Néere."

Baader, L. M., Paris.—"Jeannot Looking for the Kitchen."—"Pottery Mender."
 Badin, J., Paris.—"Haidée."
 Bail, J. A., Paris.—"The Child and the Grapes."—"Soup."
 Bance, A., Paris.—"Cows in a Meadow at Villerville."
 Barillot, L., Paris.—"The Fords at Las-Landies."
 Baron, H. C. A., Paris.—"Bowl Players."
 Barrias, F. J., Paris.—"Plotting among the Courtesans."—"The Pearl Fairy."
 Bayard, E., Paris.—"Going to the Meat Market, Siege of Paris."
 Beaumont, C. E., Paris.—"The Temptation of St. Antony."
 Beauverie, C. J., Paris.—"On the Banks of the River Oise."—"The Lane of Cordeville."
 Bellee, Leon Le G., Compiègne.—"The Sinope, Lower Normandy."
 Benner, E., Paris.—"The Water-Melon Seller."—"Lacustre Woman and her Child."
 Benner, J., Paris.—"Luisella."
 Berne-Bellecour, E. P., Paris.—"Noonday Sleep."
 Berthon, N., Paris.—"Interior of a Cottage in Auvergne."
 Berton, P. E.—"Alley in the Forest of Fontainebleau."—"Pond at Sainte Claire, Sologne."
 Bertrand, G., Versailles.—"Roses."
 Beyle, P. M., Paris.—"The Last Resting-place of Coco."—"The Bride's Jewels, Algeria."

- Bonnefoy, H., Paris.—"Stormy Weather."
 Bouchor, J. F., Paris.—"Farmyard in Brie."
 Bouquet, M., Paris.—"Marshes in Brittany."—"A Creek in Brittany."
 Brest, F., Paris.—"The Midday Prayer in the Grand Mosque of Trebizonde."—"A View of Kief from the Road of Kerrassonde to Massia."
 Buttura, A. E. E., Paris.—"Sea Piece."
 Cain, G., Paris.—"Presents from the Farm."
 Calamatta, J., Paris.—"Night."
 Calves, G., Paris.—"In the Woods."—"Mother and Child."
 Caraud J., Paris.—"Breakfast."—"Two Friends."
 Chaillou, N., Plessis Belleville.—"An Alarm."
 Champeaux, O. de, Paris.—"Low Tide," Normandy.—"The Banks of the Arroux," Saone et Loire.
 Charnay, A., Marlotte.—"Theatricals on the Sands of Yport."
 Cinot, F., Paris.—"The Beach at Veules."
 Colin, P., Paris.—"Moonlight at Yport."
 Collin, L. J. R., Paris.—"Noble Venetian Lady of the XVI. Century."—Head Study—"Rosine."
 Collin, P., Paris.—A View of Jersey—"The Fisherman's Cottage."
 Comerre, L. F., Rome.—"Jezebel Devoured by Dogs."
 Compte-Calix, F. C., Paris.—"Good Night."—"Curiosity."
 Comte, P. C., Paris.—"Dante."
 Cormon, F., Paris.—"A Parrot."
 Damoye, P. E., Paris.
 Decan, E., Paris.—"A Country Wedding in Normandy."
 Defaux, A., Paris.—"In the Snow."—"The Farmyard."
 Delobbe, F. A., Paris.—"The Return from the Fields."
 Desbrosses, J., Paris.—"Interior of a Country House."—"The Harvesters at Rest."
 Desgoffe, B., Paris.—"Objects of Art."
 Doyen, G., Paris.—"A Young Girl Carrying a Cat."
 Dubufe, E., Paris.—"The Widow's Mite."—"Head Study."
 Dubufe, P., Paris.—"Avenue of Trees in Normandy."—"On the Banks of the Siagne, near Cannes."
 Faivre-Duffer, L. S., Paris.—"Loulette."—"Croquette."
 Ferry, J., Paris.—"A Poacher."
 Flameng, M. A., Paris.—"Low Tide at Yport."—"Oyster Beds, Cancale."
 Foulongne, C. A., Paris.—"Reapers (Women)."
 Garaud, G., Paris.—"La Place du Plébiscite at Genzano, Italy."—"Le Lac de Nemi, Italy."
 Gaudefroy, A., Paris.—"The Desert."—"Richard Saves a Nymph from Ariosto."
 Gautier, A., Paris.—"The Refectory."—"The Skate."
 Genty, E., Paris.—"Giving Alms to the Troubadour."
 Gide, C., Paris.—"Convalescence."—"The Consequence of a Game of Cards."
 Girard, P. A., Paris.—"The Music Lesson."
 Gluck, E., Paris.—"A Landscape."
 Gonse, R., Trippleval.—"Autumn Flowers."
 Grandjean, E. G., Passy.—"The Meeting."—"In the Avenue of the Acacias."
 Gruyer, H. X., Paris.—"Women Knitting."
 Gudin, T., Boulogne.—"The Last Gunshot of Admiral De Ruyter."—"The Setting Sun."
 Guerard, A., Paris.—"Rêverie."
 Guignard, G., Paris.—"Amongst the Snow, in Brittany."
 Guillon, E. A., Paris.—"John Brown and his Accomplices."
 Hayon, L., Paris.—"Bathers at Villerville."
 Hedouin, E., Paris.—"The Pig Market."
 Helie, G. D. C., Paris.—"A Poitevin Landscape."—"The Allan at Montbeliard, Doubs."
 Herpin, L., Paris.—"Salt Marshes at Poulignen, Brittany."
 Hillemacher, E. E., Paris.—"Murder of Julien de Medicis in the Church of Santa Reparata, at the time of the Pazzi Conspiracy."
 Huas, P., Paris.—"Spring."
 Jourdan, A., Paris.—"Léda."
 Jourdan, T., Paris.—"The Faithful Guardian."
 Landelle, C., Paris.—"Fellah Woman."—"The Angel of Sorrow."
 Laporte, E. H., Paris.—"Ephraim's Wife."—"The House."—"Vintage."
 Lassalle, L. S., Écouen.—"Red Riding Hood."
 La Villette, E., Paris.—"Rising Tide at Yport."
 Layraud, J. F., Paris.—"For so Little."
 Lebel, E., Paris.—"A Cardinal Leaving the Church of Santa Maria della Pace at Rome."
 Lefebvre, J. J., Paris.—"Chloé."
 Lejeune, E., Paris.—"French Leave."
 Leleux, A., Paris.—"A Sabotmaker and his Family."
 Leleux, A., Paris.—"Young Girls at the Fountain."—"Inside of a Kitchen."
 Leleux, E. (née Giraud), Paris.—"The Dancing Lesson."—"Fortune Telling."
 Lematte, J. F. F., Paris.—"Playing."—"The Bather."
 Le More, P., Paris.—"Horses Loose."—"Full Speed."
 Lesrel, A., Paris.—"Soldiers of the time of Louis XIII."
 Levy, E., Paris.—"The First Lilacs."—"Child Riding a Dog."
 Lobrichon, T., Paris.—"A Covey."—"Child's Dream."
 Maignan, A., Paris.—"L'Attentat d'Anagni."
 Maisiat, J., Vignely.—"Wall-Fruit."—"Washerwomen at Vignely."
 Mallet, J., Paris.—"The Rhone on the 12th December, 1879."—"A Field of Corn."
 Marie, A., Paris.—"Hymn to the Creator."
 Melingue, L., Paris.—"The 24th of August, 1872."
 Michel, C. H., Paris.—"A Cricket."—"The Startled Bathers."
 Monfallet, A. F., Paris.—"Bad Players."—"Tea."
 Montenard, F., Paris.—"On the Borders of the Forest."—"Gorges at Gapeau, Provence."
 Moreau de Tours, G., Paris.—"Meditation."—"Octavius Augustus at the Tomb of Alexander."
 Nicolas, M. J., Paris.—"Puss in Boots."
 Nicolle, E. F., Rouen.—"Abandoned Hut, Normandy."
 Pabst, C. A., Paris.—"A Game at Ninepins in Alsace."
 Perrin, M. E., Paris.—"Minaret at Esneh, Egypt."
 Pomey, L., Paris.—"The Convalescent on her Birthday."—"The Last Attempt."
 Potemont, M., Paris.—"A Landscape in Auvergne."
 Pradelles, H., Bordeaux.—"Twilight in the Landes at Yehoux."—"Track through the Wood."
 Ranvier, J. V., Paris.—"A Dryad."
 Regamey, —, Paris.—"Fox Hunting."
 Robert-Fleury, T., Paris.—"An Odalisque."
 Roslin, E. (née Blanche), Paris.—"Pepina."—"Indiscretion."
 Roufflo, P., Paris.—"An Odalisque."
 Rudaux, E. A., Paris.—"Special Representation."—"A Victim."
 Saintin, J. E., Paris.—"Indecision."—"Parisian Washerwoman."
 Saint Pierre, G. C., Paris.—"The Song of the Oleander."
 Schlesinger, H., Paris.—"A Good Kiss."—"Just like Grandmamma."
 Sebillott, P., Paris.—"Rocks at Low Tide."
 Sergeant, L., Paris.—"Under Fire."
 Serres, A., St. Gratien.—"The Renouncement."
 Tanzi, L., Paris.—"Chaos, Forest of Fontainebleau."
 Thirion, E., Paris.—"Rebecca at the Fountain."
 Toudouze, E., Paris.—"Lot's Wife Changed into a Pillar of Salt."
 Trouville, H., Barbison.—"Landscape in the Forest of Fontainebleau."
 Vayson, P., Paris.—"A Basket of Pansies."—"Shepherds' Dogs Bathing."
 Vernet-Lecomte, E., Paris.—"Herzegovinian Woman Spinning."—"A Young Gipsy Girl."
 Veyrassat, J. J., Paris.—"The Last Sheaf."
 Vuagnat, F., Paris.—"Sweet Idleness."—"At Bellerive, Lake of Geneva."
 Vuillefroy, D. F. de, Paris.—"A Market in Picardy."

Watelin, L. V., Paris.—"The Quai de Sevres, near Paris."
 Willenich, M., Paris.—"La Colette, Island of Jersey."—"L'Ospedaletto."
 Zillhard, Miss J., Paris.—"The Dress of a Musketeer."
 Zuber, J. H., Paris.—"On the Banks of the Ill, in Alsace."

Class 2.—Various Paintings and Drawings.

Allonge, A., Paris.—"Solitude" (chalk).
 Baron, S., Paris.—"A Presentation" (time of Louis XIV.)
 Chevalier, C., Paris.—Paintings on china, earthenware, and enamel.
 Floury, L., Paris.—"On the Banks of the Cousin, near Avallon."—"The Wolf's Den in the Forest of Fontainebleau."
 Foulongne, C. A., Paris.—"Souvenir de San Germano" (Italie).
 Gaudefroy, A., Paris.—"A Good Blaze."
 Huas, P., Paris.—"Woman with a Dog" (coloured chalk).
 Lalanne, M., Paris.—"A Park near Paris."—"View of Bordeaux" (crayon).
 Lebel, E., Paris.—"An Italian Butcher."
 Miriel, G. E. A., Brest.—"Winter in the Woods of Brittany."—"Summer in the Woods of Brittany."
 Saintin, J. E., Paris.—"Mamma's Breakfast."
 Sales, J. G., Paris.—"Fountain at Chaville."

Class 3.—Sculpture and Die-sinking.

Aizelin, E., Paris.—Marble bust—"A Fashionable Lady."
 Barrias, L. E., Paris.—"The Child and the Basin."
 Bartholdi, F. A., Paris.—Bronze—"Genius in the Claws of Want."
 Bertaux, Mdme. L., Paris.—Bronze—"Young Girl at the Bath."—Marble bust—"Spring."
 Cambos, J., Paris.—Bronzes—"The Adulterous Woman."—"Cricket."
 Chevalier, H., Paris.—Marble—"A Young Mother."
 Delaplanche, E., Paris.—Bronze—"Child Riding a Turtle."
 Doublemard, A. D., Paris.—Bronze—"The Education of Bacchus."
 Gautherin, J., Paris.—Marble bust—"Welcome to Spring."
 Itasse, A., Paris.—"L'Amour aux Pantins."—"Jean qui Pleure, Jean qui Rit."
 Louis, N. H., Paris.—Marble statue—"André Chenier's Muse."—"Rebecca."
 Martin, F., Paris.—Bronzes—"A Black Man Strangled by a Dog."—"Louis XI. Prisoner at Peronne."
 Ringel, D., Paris.—Bronze—"Flute-player."
 Rochet, C., Paris.—Marble statue—"A Virgin."
 Sanzel, F., Paris.—Bronze—"The Little Bacchus."—Marble statue—"Soap Bubbles."

Vasselot, A. M. de, Paris.—Marble bust—"Hébé."
 Vaureal, H. de, Paris.—Bronze statue—"The Little Gleaner."

Class 5.—Engravings and Lithographs.

Barbant, C., Paris.—"The Tears continued to Flow" (Ariosto), wood engraving, after Gustave Doré.—Seven wood engravings.
 Bertinot, G. H., Paris.—"The Virgin, Jesus Christ, and St. John," after Bouguereau.
 Brunet-Debaine, A., Paris.—"The Valley of the Farni," after Constable.—"Church of Santa Maria, Venice," after Canaletti.—Three engravings.
 Champollion, E. A., Paris.—"Arabs Playing with a Vulture," after Fortuny.—"Choosing a Model."
 Courty, C. L., Paris.—"Bathing," after Jérôme.—"The Death of Marceau," after Jean Paul Laurens.
 Deblois, C. A., Paris.—"Shooting."—"Fishing," after Rudaux.
 Didier, A., Paris.—"Poetry," after Raphael.
 Flameng, L., Paris.—A frame containing three engravings.
 Girardet, E., Paris.—"The Girondins," after Delacroix.—"A Spanish Wedding," after Fortuny.—"A Prince's Education," after Zamacois.
 Girardet, P., Paris.—"Fifty Years of Age."—"The Last Victim of the Terror."—"Cows Drinking."—"Sheep Grazing."—"The Prodigal Son."
 Hedouin, E., Paris.—"Portrait of a Woman," after Chaplin.—"A Sporting Luncheon," after Carl van Loo.
 Herkommer, H., Paris.—"Alfred Tennyson."—"Wagner."
 Hildibrand, H. T., Paris.—A frame containing seven wood engravings.
 Huot, A. J., Paris.—"The Virgin of Liberation," after Hébert.
 Jacquemart, J. F., Paris.—"La Joconde," after Leonard de Vinci.
 Jouanin, A. A., Paris.—"A Panic," after Coomans.—"The Challenge," after Coomans.
 Laguillermie, A. F., Paris.—"Gulliver in the Island of Lilliput."
 Lalanne, M., Paris.—Two frames containing 22 aquaforte engravings.
 Massard, J. L., Paris.—"Croquemitaine's Luggage," after Lobrichon.—"Christmas Box," after Lobrichon.
 Potemont, A. M., Paris.—Views of Paris.—"A Parisian in 1795."
 Prevost, Z., Paris.—"The Wedding of Cana," "Jesus at the House of Simon the Pharisee."
 Robert, C. J., Paris.—"Head of St. John the Baptist," after Henner.—"Victor Hugo."
 Varin, E. A., Paris.—"The Night before the Wedding," after Anton Dieffenbach.
 Waltner, C. A., Paris.—"The Infante Marguerite," after Velasquez.
 Willenich, M., Paris.—View of Liverpool Anchorage (aquaforte).

GERMANY.

Class 1.—Oil Paintings.

Arnold, H., Munich.—"Help is Near."
 Baisch, H., Munich.—"Village near Munich."
 Baumgarten, P., Munich.—"Good Business."
 Beck, T. von der, Dusseldorf.—"The Friends."—"Peasant Child."
 Becker, A., Dusseldorf.—"Bartholomew Lake, in the Bavarian Mountains."
 Beckmann, W., Dusseldorf.—"The Departure," after Freitag's "Ancestors."
 Blanc, L., Dusseldorf.—"Rest after the Bath."
 Boser, K. F. A., Dusseldorf.—"Art brings Favour."
 Braun, L., Munich.—"Upper Bavarian Cart."
 Brendel, A., Weimar.—"Cows Grazing."

Cramer, A. von, Dusseldorf.—"Watched."
 Dehn, G., Munich.—"Verona."
 Douzette, L., Berlin.—"Venice—Moonshine."
 Eckenbrecher, T. von, Dusseldorf.—Sea piece.
 Eschke, H., Berlin.—"Freshwater Bay—Sunrise."
 Fahrbach, C. L., Dusseldorf.—"Moonrise."
 Friedrichsen, E., Dusseldorf.—"On the Isle of Capri."
 Grafle, A., Munich.—"In the Lovely Month of May."
 Grunfeld, J., Berlin.—An oil painting.
 Guterbock, L., Berlin.—"Erasmus of Rotterdam."
 Haeselich, G., Hamburg.—"Holstein Landscape."
 Hartmann, E., Dusseldorf.—"Love Suit, in Suabia."
 Hellrath, E., Munich.—"Cloister Pond."

Heyden, C., Dusseldorf.—"Study."
 Hoff, K., Munich.—"Moonlight Night in the Lagoons of Venice."
 Horst-Hacker, —, Munich.—"Lake of Lucerne, near Brunnen, Switzerland."
 Hubner, C., Dusseldorf.—"Expectation."
 Huth, J., Berlin.—"Dismasted Dutchman in the North Sea."—"In Tow, at the Needles, Isle of Wight."—"Fastnet Rock Lighthouse, on the Irish Coast."
 Jacob, J., Berlin.—"Landscape, German Lake."
 Jacoby, K., Berlin.—"Still Life."
 Jutz, K., Dusseldorf.—"Animals."
 Kamecke, O. von, Berlin.—"Rhône Glaciers."
 Koerner, E., Berlin.—"Under Palms."
 Knackfus, H., Dusseldorf.—"Firstfruits."
 Kronberger, C., Munich.—"The Aunt on a Visit."
 Langko, D., Munich.—"Autumn landscape—"Freisinger Moor, near Munich."
 Lasch, Carl, Munich.—"Black Forest Mayor."
 Lindenschmit, W., Munich.—"Venus and Adonis."
 Linnig, W., jun., Weimar.—"At the Fortune-teller's."
 Linnig, W., sen., Weimar.—"After School."
 Ludwig, Miss A., Dusseldorf.—"A Good Friend."
 Ludwig, K., Stuttgart.—"Midday Rest of a Herd of Cows in the Woods."
 Lutteroth, A., Hamburg.—"Italian Landscape."
 Mali, C., Munich.—"Return from Pasturage," Tyrol scenery.
 Mayer-Wismar, F., Munich.—"Singing Woodworkers in the Bavarian Mountains."
 Marc, W., Munich.—"The Music Lesson."
 Meyer, Miss S., Dusseldorf.—"Study."
 Michael, M., Berlin.—"Parent's Pleasure."
 Munsch, J., Munich.—"A Commander."—"A Politician."
 Normann, A., Dusseldorf.—"Motive from Sogne Fjord."—"Norwegian Fjord."
 Ockel, E., Berlin.—"Ploughing Oxen."
 Oehme, E., Blaswitz.—"Winter."—"In Church."
 Oemichen, H., Dusseldorf.—"Decorating the Church before the Wedding."
 Perbandt, Miss L. von, Dusseldorf.—"German Landscape."
 Poschinger, R. von, Munich.—"Evening."
 Porthmann, K., Dusseldorf.—"All Beginning is Difficult."
 Rettich, K., Weimar.—"Pheasant Preserve, in Spring."
 Rogge, W., Munich.—"The Mother's Return Home."
 Roux, K., Munich.—"Animals."
 Ruths, V., Hamburg.—"North German Spring Landscape."
 Ruths, V., Hamburg.—"The Morteratsch Glacier in Engadine Valley, Switzerland."
 Schanche, H. G., Dusseldorf.—"On the Norwegian Coast—Moonshine."
 Schauenburg, M., Lahr.—"Emperor William," by W. Camphausen.—"Crown Prince," by W. Camphausen.—"Prince Bismarck," by A. v. Werner.
 Schonfeld, E., Dusseldorf.—"On the Lake of Lucerne, near Meggen."
 Schrader, J., Berlin.—"Return Home."
 Schulz-Briesen, E., Dusseldorf.—"Rendezvous."
 Schultz, G., Dusseldorf.—"Still Life."—"Fruits."
 Schuz, T., Dusseldorf.—"Sunday Afternoon on the Grafenberg, near Dusseldorf."
 Seitz, O., Munich.—"Amor."
 Seyppel, C. M., Dusseldorf.—"Using Scissors."—"Using Scissors"—a counterpiece.
 Starkenborgh, J. N. T. van, Dusseldorf.—"Morning Landscape in Thuringia."
 Steffek, C., Berlin.—"Stable Friends."
 Strecker, C. M., Munich.—"Autumnal Storm."
 Sturzkopf, F., Weimar.—"In the Kitchen."
 Thiele, A., Blaservitz.—"Harps."
 Thomas, Adolph, Dresden.—"Oil painting."

Vecchio, P. del, Leipzig.—"Winter Landscape" (G. Koken).—"Landscape" (G. Koken).—"Helsingor Roadstead" (S. Huth).—"Quite among Ourselves" (Gaisser).—"Marienkerk" (A. Achenbach).—"Balcony Scene" (H. Lossow).
 Wagner, K., Dusseldorf.—"He Knows where the Shoe Pinches."
 Wilberg, —, Berlin.—"Venice."—"S. Maria della Salute."
 Willroider, L., Munich.—"Landscape, with cows."

Class 2.—Various Paintings and Drawings.

Bouche, K. de, Munich.—Paintings on glass—heraldic and religious subjects.
 Bruggemann, H., Berlin.—Crayon drawings.
 Carstens, P. G., Altona.—Etched glass plates.
 Ens und Greiner, Laustra.—Painting on porcelain.
 Hildebrandt, C. L., Hamburg.—Etched and burnt-glass painting.
 Jaeger, F., Munich.—Painting on glass etched and then burnt.
 Mayer's Artistic Establishment for Ecclesiastical Work, Munich.—Glass paintings for church windows.
 Neider, Ottilia, Munich.—Transparent oil paintings.
 Thallmaier, F. X., Munich.—Paintings on porcelain—religious and other subjects.
 Till, F., Dresden.—Painting on porcelain.
 Turcke, K. L., Zittau.—Paintings on glass—Gothic church window, with rosette.—German window, heraldic shields.
 Zettler, F. X., Munich.—Painting on glass—religious subject.

Class 3.—Sculpture and Die-sinking.

Begas, C., Berlin.—Marble busts.
 Hartzer, F., Berlin.—Marble statue.
 Kieffer Gebr., Trier.—Terra-cotta statues of religious character.
 Mayer's Artistic Establishment for Ecclesiastical Arts, Munich.—Religious statues, illustrating "The Stations of the Cross," an altar piece.
 Miller, F., Munich.—Bronze statue.
 Rietzler, F. X., Munich.—Statues of religious subjects.
 Schulz, M., Berlin.—Marble bust.
 Joint Exhibition of Berlin Engravers.—Engravings in metal, precious stones, ivory, &c.; enamel paintings, medals, &c.
 Laschky, Lane, Lehmann, R. Otto, R. Schneider, Spangenberg, K. Voigt.

Class 4.—Architectural Drawings and Models.

Gilbers, G., Dresden.—Architectural works.

Class 5.—Engravings and Lithographs.

Forndran, W., Munich.—Chromo-lithographs—religious and other subjects.
 Frankel, F., Nuremberg.—Steel engraving, after Van Dyk.
 Gaillard, E., Berlin.—Chromo-lithographs—landscapes.
 Jager und Schwabenthann, Munich.—Chromo-lithographs.
 Kaufman, A., und Co., Berlin.—Chromo-lithographs.
 Kurth, A., Leipzig.—Chromo-lithographs.
 Schauenburg, M., Lahr.—Lithographs—landscapes.
 Seitz, G. W., Wandsbeck.—Various oleographs.
 Schmidtman und Co., Leipzig.—Chromo-lithographs (framed).
 Schuster, R., Berlin.—Copperplate engravings of religious and other subjects.
 Wurtzburg, H., Berlin.—Copperplate engravings.—Miniature oil prints.

ITALY.

Class 1.—Oil Paintings.

- Ardy, Commendatore**, Turin.—“Solitude.”—
“Between Albano and Rome.”
- Balduino, A.**, Turin.—“The Friendly Barons.”
- Ballerini, F.**, Venice.—“Venice, from the Mole.”—
“Palermo.”
- Baratti, —**, — (Exhibited by Cavaliere Felice Pisani, Florence) “The Honeymoon.”—“A Lady Sleeping.”
- Barbavara, Count A.**, Turin.—“H.M. Umberto I., King of Italy.”
- Bello, P.**, Naples.—“Rising of the Moon on the Lagoon of Venice.”
- Betti, A.**, Florence.—“A Forest of Abruzzi.”
- Biscarra, C. F.**, Turin.—“The First Symptoms of Jealousy.”—“Peasant Girls of the Hills, near Turin.”
- Bologna, D.**, Turin.—“Returning from the Pasture.”—“The Convent Dole.”
- Borrani, Prof. E.**, Florence.—“The Recall of the Conscript.”
- Bradley, T. H.**, Florence.—“Florence, from the Arno.”—“Florence, from the Villa Galileo.”
- Brandeis, A.**, Venice.—“Palazzo Cavalli, Venice.”—
“A Balcony in Venice.”—“The Buranella.”
- Bruzzi, S.**, Florence.—“Country Fair on the Appennines.”
- Caprile, V.**, Naples.—“Costumes of Naples.”
- Carcano, F.**, Milan.—(Exhibited by V. Grubicy) “La Romantica.”
- Castagnola, Prof.**, Florence.—(Exhibited by Cavaliere Felice Pisani) “Faust and Marguerite.”
- Castelli, A.**, Rome.—“The Alps.”
- Cavarretta, G.**, Naples.—“A Caprice.”
- Cefaly, Commendatore A.**, Naples.—“The Car of Progress.”
- Celomoni, P.**, Florence.—(Exhibited by R. Metzger) “A Sea Piece.”
- Ciardi, G.**, Venice.—“An Italian Market, Treviso.”
- Cimino, Mrs. G.**, Naples.—(Exhibited by Vincenzo Cimino) “Mamma’s Bouquet.”
- Cipriani, N.**, Rome.—“Poultry Market in Rome.”
- Colle, A.**, Venice.—“To the Wood.”
- Colle, L.**, Venice.—“Piazza S. Marco during the Carnival.”—“A Serenade on the Grand Canal.”
- Corrodi, H.**, Rome.—“Greek Temple, Paestum, near Salerno.”—“Nicosia, Capital of Cyprus.”—
“Venice.”
- Costa, G.**, Florence.—“First Thought.”—“The Ambitious Model.”—“Costume of Tuscan Peasant.”—
“Costume of Tuscan Peasant.”—“The Painter.”
- Crevatin, —**, Florence.—(Exhibited by Cavaliere Felice Pisani) “A Lady in the Garden.”
- Cumbo, Cavaliere E.**, Florence.—“Bondasca.”—
“Sunset.”—“Ischia.”
- D’Agliano, Cavaliere M. A.**, Turin.—“Ermitaggio, near San Remo.”—“Rocks near Bordighera, after a Storm.”—“Olive Trees, at Bordighera.”—“Near Cuneo.”—“Seashore, near Bordighera.”—“Mountains of Biellese.”
- D’Ancona, V.**, Florence.—“Costume of the Pope’s Swiss Guard.”—“Teresina, the Thoughtless.”—
“Capuchin Monk in his Cell.”
- D’Andrea, J.**, Venice.—“Fisherman, from a ballad of Goethe.”—“Quercini Stampalia Presenting a Medal to Voltaire.”—“Head of a Venetian Woman.”
- Danielli, Prof. G.**, Belluno.—“A Wood in Val Savaranca. Victor Emmanuel, late King of Italy, hunting.”
- De Francesco, L.**, Naples.—“Italian Costume.”—
“Italian Costume.”
- Della Libera, G. B.**, Venice.—“The Doge’s Palace in Venice.”—“Interior of the Church of St. Mark, Venice.”
- De Martino, G.**, Naples.—“Costumes of Calabria.”
- De Nigris, G.**, Naples.—“The Last Mass.”—“Blind Working-women.”
- De Tommasi, P.**, Rome.—“Sunday.”
- De Vivo, D.**, Naples.—“Trophy—Pheasants, Hares, &c.”—“Trophy—Ducks, Dogs, &c.”—“Souvenir of Naples—Sailors on the Seashore of Posillipo.”—
“Souvenir of Naples—Peasants of the Abruzzi Dancing.”
- De Vivo, Cavaliere T.**, Naples.—“Allegory of America.”
- Di Pinto, D.**, Naples.—“A Religious Procession.”
- Dovera, A.**, Milan.—“The Island of Pescatori, Lake Maggiore.”—“Villa Clara, on Lake Maggiore, the Residence of Her Majesty the Queen of England.”
- Faccio, Cavaliere P. L.**, Turin.—“Harvest in Vallese.”
- Faccioli, R.**, Bologna.—“Visiting at the Castle.”
- Fattori, Prof. G.**, Florence.—“Horse Market, on the Piazza della Trinita, Rome.”—“Costumes of Italian Forest Labourers.”
- Fiore, —**, Florence.—(Exhibited by Flor and Findel, Florence) “Bacchanals.”—“Card Players.”—“Monk Playing Chess.”—“Wine Drinker and Dog.”—
“Roman Girl and Man.”
- Flor e Findel, Florence.**—“Raphael’s Madonna of the Chair” (copy from the original).—“Raphael’s Madonna of the Goldfinch” (copy from the original).
- Folli, F.**, Florence.—“The Beard.”—“The Holy Water.”
- Francini, F.**, Florence.—“A Page.”—“A Page.”
- Gabani, G.**, Rome.—“A Herd of Buffaloes in the Campagna of Rome.”
- Galletti, M.**, Naples.—(Exhibited by Vincenzo Cimino) “The Ploughman’s Breakfast.”
- Gelati, Prof. L.**, Florence.—“Florence.”
- Giacomelli, Cavaliere V.**, Venice.—“Christopher Columbus sighting Land.”
- Giannelli, E.**, Naples.—“After Rain at Sunset.”—
“Palace Medina, at Posillipo.”
- Gioli, F.**, Florence.—“The Mother’s Return.”
- Glisenti, A.**, Florence.—“Caught.”
- Gordigiani, Cavaliere M.**, Florence.—“Portrait of H.M. Victor Emmanuel II.”
- Guardabassi, G.**, Rome.—“The Silly Old Man.”—
“La Malade Imaginaire.”
- Guerra, A.**, Rome.—“Cardinal Borromeo.”—
“Interior.”—“Porta S. Antonio, Sorrento.”—“A Chapel.”
- Guida, G.**, Naples.—“Odalisca.”
- Guzzardi, G.**, Florence.—(Exhibited by R. Metzger, Florence) “An Old Caress.”—“A Kitchen with Boys.”—“Woman with a Vase.”—“Peasant.”—“A Soldier of the Sixth Century.”—“Woman in Costume.”—“A Costume.”
- Laezza, Prof. G.**, Naples.—“A Curiosity for a Painter.”—“Panorama of Sorrento.”—“The Cupa of Tagliano after a Procession.”—“Pu-ti-pu Player at the Fête of the Architiello.”—“Cow and Sheep.”—
“Two Calves in a Stable.”
- Lega, —**, Florence.—(Exhibited by Cavaliere L. Pisani, Florence) “Welleda.”
- Legay, R.**, Venice.—“North Façade of the Church of St. Mark.”—“Rivo dei Santi Apostoli and Palace of the Doge, Marino Faliero, in Venice.”
- Liberti, R.**, Naples.—“Ioni and Clodius’ Flowers: Scenes of the Last Days of Pompeii.”—“Neapolitan Costumes.”
- Locatello, G. F.**, Venice.—“Venus Playing with Cupid.”—“The Prisoner’s Comfort.”—“The Secret Denunciation in the Lion’s Mouth at Venice.”—
“Convent Politics.”—“Portrait of H.M. Victor Emmanuel II.”
- Lori, A.**, Florence.—(Exhibited by R. Metzger, Florence) “Ciociara,” peasant of the Campagna, Rome.
- Lovatti, M.**, Rome.—“Sunset.”—“In the Heart of the Campagna, Rome.”—“Dead Nature.”—
“Roman Costumes.”—“Bulls Fighting.”—“A Baron’s Court in the Sixth Century.”
- Loverini, P.**, Bergamo.—“The Fall of Snow.”
- Lugli, —**, Florence.—(Exhibited by Cavaliere L. Pisani) “Calabrian Costume.”
- Luzzi, —**, Florence.—(Exhibited by Cavaliere L. Pisani) “Campagna at Rome.”
- Maccari, Prof. C.**, Rome.—“Indians at Venice.”
- Manaresi, U.**, Florence.—“Winter.”
- Marcato, A.**, Venice.—“Madonna and Child.”—
“Roman Costume.”
- Marinelli, Prof. V.**, Naples.—“An Episode of the Song of Songs of Solomon.”

Marko, A., Florence.—"Roman Horsemen" (exhibited by Cavaliere L. Pisani).—"Crossing the River."

Meglio, Prof. F., Naples.—"The Market."

Meucci, Florence.—(Exhibited by A. Pollastri) "Fruits and Birds"—"Flowers and Birds."—"Live Birds."—"Live Birds."—"Dead Birds."—"Live Birds."—"Live Birds."—"Live Birds."

Monteforte, E., Naples.—"Porta Capuana, Naples."—"La Fonte, Naples."

Palizzi, F., Naples.—(Exhibited by V. Cimino) "The Lace Maker."

Palizzi, P., Naples.—(Exhibited by V. Cimino) "The Old Grandmother."

Palma il Giovane.—(Exhibited by G. Zezzos, Venice) "Taking down from the Cross."

Paoletti, R., Florence.—"Madonna of the Chair."—"A Nosegay."—"A Nosegay."—"A Nosegay."—"Madonna of Sassoferrato."—"After a Masked Ball."

Picchi, A., Florence.—"Fanfulla da Lodi."—"A Page."—"Monk and Soldier."—"Titian's Love."—"The Musician."—"A Wreath of Flowers."—"Titian's Daughter."—"The Sybil."—"A Nosegay."—"A Nosegay."—"Game."—"Fish."—"Bay of Naples."—"Posillipo."—"Juliette and Romeo."—"A Russian."

Poggi, P., Rome.—"Ciociara" (costume of the Campagna).

Pollastri, A., Florence.—"Angels" (after Fra Beato Angelico).—"Game-seller."—"Shame."—"Madonna" (Andrea Del Sarto).—"Madonna of Muriello."—"Various small pictures."

Polli, F., Florence.—"Fruits and Flowers."

Querena, L., Venice.—"Canal of St. Mark."—"Departure of the Bucentaur from the Mole, St. Mark."

Ricca, P., Turin.—"A Fall of Snow."

Ricci, A. G., Turin.—"A Visit to the Old Aunt."

Rigo, L., Udine.—"Sunset in Friuli."—"The Tiber in Winter."

Roy, P., Venice.—"An Old Prelate of the Middle Ages."—"Head of a Young Man in Agony."

Rubio, Cavaliere L., Florence.—"Swiss Costume."—"A Woman Sleeping."

Sagliano, Prof. F., Naples.—"Vesuvius, seen from Torre Annunziata."—"Pozzano, near Sorrento."—"The Hour of Rest."—"Fisherman of the Sarno."—"Dolce far Niente."—"A Gondolier of the Sarno."

Sassi, P., Rome.—"Ruins of the Aqueducts of Claudius."

Sauli, Count G., Turin.—"The Habit does not Make the Monk."—"On the Beach."

Schmith, N., Rome.—"Children Playing."

Schwicker, C.—(Exhibited by R. Metzger, Florence) "News of the War."—"Near Rome."—"Returning from School."

Scuri, Prof. E., Bergamo.—"The Nymph."

Scuti, Prof., Rome.—"The Mother."

Serritelli, G., Naples.—"The Obelisk of S. Gennaro, from the side door of the Dome of Naples."

Siemiradzki, E., Rome.—"A Pirate's Cavern."

Simonetti, Prof. A., Naples.—"A Young Man near an Oven, costume of Palazzolo."

Squarcina, G., Venice.—"Portrait of Garibaldi."—"The Laurel in the Nineteenth Century."

Talarico, A., Naples.—"The Dreamer."—"Neapolitan Costumes."

Tano, E., Florence.—"The Tower of Michel Angelo at S. Miniato."—"The Country Beggar."—"Neighbourhood of Florence."

Tessitore, F., Naples.—"A Snow Effect."

Tirattelli, A., Rome.—"Sheep in the Roman Campagna at Sunrise."—"Alone in the Roman Campagna."

Trenti, G., Pomponesco.—"Summer."—"Winter."—"Autumn."—"A Visit."

Ussi, Prof. S., Florence.—"Tacruri Amusing Arab Merchants camped in High Egypt."

Verita, F.—(Exhibited by R. Metzger, Florence) "A Camel."—"Hunting Dog."

Volpe, A., Naples.—"Siesta."

Volpe, V., Naples.—"G. Cabalesti."

Werner, O., Rome.—"The Last Day of Pompeii."

Ximenes, E., Florence.—"On the Arno."

Zamboni, G.—(Exhibited by R. Metzger, Florence) "Near Rome."

Zezzos, Giuseppe, Venice.—"A Battle."—"Santa Maria Elizabeth."—"San Gerolamo."

Zona, Baron G., Naples.—"Spring Flowers."—"Returning from the Marsh."—"The Disturbed Siesta."—"Innocence."—"The Sleep of Spring."—"Card Players."

Class 2.—Various Paintings and Drawings.

Ardy, Commendatore B., Turin.—Two hand-painted china plates, representing "The Tiber" and "Winter."

Battaglia, G., Naples.—Artistic earthenware, Capodimonte style.

Bedendo, Cavaliere D., Venice.—Mosaics.

Boncinelli, G., e Figli, Florence.—Pictures in Florentine mosaic.

Bradley, J. H., Florence.—Etching plates, artist's proofs—"Venice, from the Giudecca."—"Ponte Panada."

Carabba, V., Venice.—"Our Saviour and the Woman of Canaan" (copy de Palma).—"Portrait of Raphael da Urbino's Mother" (after a portrait in the Uffizi Gallery of Florence).—"Madonna and Child" (St. Catherine, copy of A. Cordigliagli).—"The Fame of Giovanni Bellini."—"The Rape of Europa" (after Paolo Veronese's picture).

Chelazzi, T., Florence.—Mirror, with painted flowers.

Cipriani, N., Rome.—Two water-colours—"Roman Countryman."—"Roman Countrywoman."

Civita, A., Florence.—Collection of mosaics.

Corrodi, S., Rome.—Four water-colours—"Park, at Terni."—"Port Anzio."—"Pozzuoli."—"Via Appia, Rome."

Corsi, P., Florence.—Mosaic works, ancient style.

De Nigris, G., Naples.—Water-colour—"An Eruption of Vesuvius."—"Water-colour—"Mugellina."—"The Aqueduct of Claudius."—"Coast of Sorrento."—"Costumes of Palazzolo, Castrocielo."—"Landscape, with Goat."—"Torre del Greco."—"The Forum of Pompeii."

De Tommasi, P., Rome.—Water-colour—"The Public Writer."

Ethofer, T., Rome.—Two water-colours—"Game at Chess."—"Spanish Duet."

Falcini, A., Florence.—Collection of mosaics.

Farina, A., e Figli, Faience.—Artistic earthenware, Faience imitation.

Francolini, T., Florence.—Collection of mosaic figures.

Gallandt, L., Rome.—Monumental mosaic works—"St. Peter."—"Forum of Rome."—"The Arch of Titus."—"Castel St. Angelo."—"Pantheon."—"Colosseum."—"Temple of Vesta."—"Temple of Cecilia Metella."—"Cascades of Tivoli and Temple."

Ginori, Manifattura, Doccia.—Paintings on earthenware and china.

Giustiniani, A., Naples.—Artistic earthenware, Urbino and Capodimonte style.

Guardabassi, G., Rome.—"The Month of May."

Mariotti e Fantoni, Florence.—A collection of Florentine mosaic pictures.

Martinetti, A., Rome.—Mirror, with painted flowers and animals.

Mazzarelli, B., Naples.—Artistic earthenware, Urbino and Capodimonte style.

Meyer, O., Florence.—Collection of Florentine mosaics.

Olivieri, L., Venice.—Collection of mosaics.

Ricci, P., Fiesole.—Various designs.

Rinaldi, —, Milan.—Two water-colours (exhibited by V. Grubicy, Milan)—"Ugo and Parisina."—"Hamlet and Ophelia."

Roccheggiani, C., Rome.—"Alasco."—"Forum of Rome."—"St. Peter."—"Temple of Vesta."—"Colosseum."—"Malachite."—"Temple of Vesta."—"Pantheon."—"Campidoglio."—"Flowers."—"Pansies."—"Doves."

Roesler, E., Rome.—"The Supplication."

Sandrini, A., Florence.—Collection of mosaics.

Severati, F., Rome.—Enamelled lava—"Head of the Fornarina, after the 'Transfiguration' of Raphael."—"Two portraits."

Soave's Manufactory of Tradesmen's Signs, Turin.—A sign.

Societa Venezia Murano, Venice.—Celebrated men, in mosaic. Ornament.—Monumental mosaic work—"Christ."—"The Last Supper."—"The Apostles—"St. Andrew," "St. Luke," "St. John," "St. Matthew," and "St. John."—Two mosaics of Christ—"Last Supper."—"Christ, the Redeemer" (copy of St. Marco).

Societa Musiva Veneziana, Venice.—"Byzantine Madonna" (copy of mosaic work in Church of St. Maria e Donato of Murano, Venice).—Three small mosaics, representing Christ and Raphael.

Tanfani, C., Rome.—Artistic earthenware—Etruscan vases.

Tarantoni, L., Rome.—Picture in mosaic, representing "Night," by Raphael.—"Poetry—Raphael."—"Theology."—"La Sibilla Eritrea of Michel Angelo."—"The Prophet Isaiah."

Testolini Fratelli, Venice.—Mosaic pictures.

Torrini, G., Florence.—Collection of mosaics.

Class 3.—Sculpture and Die-sinking.

Albacini, A., Rome.—Bust—"Ciociara," costume of the Campagna.—Statue—"Rebecca at the Well."

Ancona, A., Milan.—Three statues—"Leonardo da Vinci."—"Michel Angelo."—"Complacency."—Two busts—"Shakespeare."—"The Beggar."

Andreini, F., Florence.—Statue—"Cupid Chaining Hearts."

Angelini, —.—(Exhibited by Cavaliere G. Riga, Naples) "Phryne and Iperide."

Argenti, A., Milan.—Statue—"The Flower Girl."

Argenti, G., Milan.—Three busts—"Innocence."—"Modesty."—"Hope."

Argenti, Antonio, Milan.—"Happy Age."

Barcaglia, D., Milan.—Two statues—"Returning from the Hunt."—"Daring."

Bardella Fratelli, Venice.—Frames.

Bazzanti, P., e Figli, Florence.—"Childhood of Michel Angelo."—"Childhood of Raphael."—"Sharon's Rose (Solamitide)."—"Forced Prayer."—"Forced Lesson."—"Shepherdess."

Becucci Frattelli, Florence.—"Fidelity."—"A Cold Bath."—"The Four Seasons."—"The Young Cricketer—"Good Morning."—"Music."—"Forsaken."—"Fisherman (Masaniello)."—Three busts—"Bacchus."—"Murillo's Madonna."—"Bacchus."

Bernasconi, P., Milan.—Two statues—"A Child's Pleasure."—"A Child's Pain."

Besarel, P., Venice.—Wood sculpture and carving.

Borro, L., Venice.—"Innocence."—"Youth."

Bottinelli, A., Rome.—"First Communion."—Two small groups of marble—"The Genius of Poetry."—"The Virgin Camilla."—Five marble busts—"Roman Girl."—"Spring."—"Summer."—"Autumn."—"Winter."

Braga, E., Milan.—Marble statue—"Shame."

Butti, E., Milan.—Marble statue—"The Second Lesson."

Buzzi, Luigi G., Milan.—Marble bust—"Inspiration."

Calvi, Cavaliere C., Rome.—A plate, in chased silver and iron, inlaid with gold and silver.—Small iron box, inlaid silver, with children chased in silvered bronze.—Chased and silvered bronze candlesticks; façon, inlaid with gold and silver.

Caniparoli, A., Carrara.—Marble statue—"Summer."

Casalta, L., Naples.—Corals and engraved shells.

Casoni, T. A., Carrara.—Marble group—"Leda, and Jupiter" (as a swan).

Cattaneo, I., Milan.—Wood carving.

Ceccarini, P., Rome.—Bust—"Queen Victoria."

Cencetti, A., Rome.—Bust, in terra-cotta—"Gentleness."—Group—"Temptation."—Bust—"Piccolo Tonietto."

Ciapponi, F., e Co., Rome.—Cameos.

Ciniselli, G., Rome.—Marble statues—"First Sorrow."—"Suzanne."—Bust—"Modesty."

Dal Todesco, M., Venice.—Wood sculpture and carving.

De Caro, A., Naples.—Cameos.

Dalla Vedova, Cavaliere P., Turin.—Marble statue—"Summer."

Dell'Ara e Co., Milan.—Two marble groups—"Children with an Umbrella."—Statuette—"A Girl in Mask."—Two vases.

De Lotto, G. B., Venice.—Wood carving and sculpture.

Del Panta, E., Florence.—Two statues—"The Future Soldier."—"Childhood of Carlo Goldoni."—Three groups—"Innocence."—"Fidelity."—"Boy and Dog."

D'Epinay, P., Rome.—"Sapho."—"Prince of Wales."—"Violette."—"Ciociara, Brigand's Wife."—"Princess of Wales."—"Satyr and Bacchus."—"Trasteverina."—"Penelope."—"Calypso."—"Prince of Wales."

Dini, Commendatore G., Turin.—Marble statues—"Youth."—"After the Bath."—"Shipwreck."—"Autumn."—"Roman Girl."

Dupre, G. B., Florence.—Bronze statue—"Cain" (cast and exhibited by A. Tognozzi, Moreni).

Evangelista, F. P., Naples.—Statuettes, terra-cotta—"Repentance."—"Poverty and Love."—Model for a monument, in terra-cotta.

Fiacchi, E., Florence.—Jewel cabinet, in walnut, carved frames and brackets.

Fiaschi, G., Carrara.—Marble statue—"Ambition."—Marble plate, with fruits.

Fontana, A., Carrara.—"Venus de Medici" (copy of Canova).

Francati e Santamaria, Rome.—Cameos.—Engraved shells.

Frilli, A., Florence.—Original groups—"Fidelity."—"The Guardian Angel."—Statue—"An old Beggar."

—A collection of marble and alabaster statuettes.—Artistic works in serpentine.—Reproductions—"Venus of Canova."—"Trust in God" (Bartolini).

Galletti, Prof. Stefano, Rome.—"A Girl with Flowers."—Busts—"The Archangel Raphael."—"The Archangel Gabriel."—"Salve."—"Vale."—"Moses."—"Jesus Sleeping."

Galli, R., Milan.—Group—"The Orphans."—Statue—"Christopher Columbus."—"St. John the Baptist, as a Child, Sleeping on the Lamb."—"The Bride."—"The Devotee."—"Modesty."—"Prayer."—"Resignation."—"Spring."

Gajani, E., Florence.—Carved brackets, frames, &c.

Gamberai, S., Florence.—A book-cabinet, ancient style, carved frames, brackets, &c.

Gatti, Cavaliere G. B., Rome.—Wood carving.

Gemignani, A., Naples.—Statuette—"Progress."

Giordani, A., Venice.—Bronze statue—"Leda, with the Swan."

Greco, L., Osbuni.—Sculpture, damaged on the voyage.

Grilli, C., Rome.—Small group—"The Fall."

Guarnerio, P., Milan.—"Forced Prayer."

Guggenheim, M. A., Venice.—Wood carving and sculpture.

Guglielmi, Prof. L., Rome.—"Sleeping Boy."—"Little Dog."—Busts—"Marcus Aurelius."—"Venus del Campidoglio."

Jerace, F., Naples.—Marble bust—"Victoria."—Bronze statues—"Guappatiello."—"A Donkey."

Kopf, J., Rome.—Marble fountain—"Child upon a Dolphin."

Lazzerini, P., Carrara.—"Two Children."

Leone, A., Catania.—Sculpture.

Maccagnani, E., Rome.—Bronze—"A Negro of Tunis."

Marai, L., Milan.—Marble bust—"La Stella Confidente."

Maraini, A., Rome.—Bust—"Romeo and Juliet."—"Magdalen."—Statuette—"Innocence."

Mariotti, F., Carrara.—Statuette—"The Little Smoker."

Martini, G., Pietrasanta.—"An Old Beggar."

Masini, Prof. G., Rome.—"Fabiola."

Meli, Prof. G., Rome.—Small group—"St. John the Baptist."

Melillo, G., Naples.—Cameos and engraved shells.

Mossuti, E., Naples.—Statue—"G. B. Pergolesi" (broken on the voyage).

Monzini, G., Milan.—Marble statuette—"First Sorrow."

Monteverde, Commendatore G., Rome.—Marble statue—"The Genius of Franklin."

Morini, F., Florence.—Two book-cabinets, in walnut—A gilt carved lustre, and carved frames, brackets, &c.

Morozzi Fratelli, Florence.—A gilt carved lustre and brackets.

- Olivieri, Cavaliere L., Venice.—Cameos.
 Orfanotrofo, G., Venice.—Wood carving.
 Pagani, L., Milan.—Marble statue—"The Peri."
 Pandiani, C., Milan.—Statue—"A Mask."
 Panducci, E., Florence.—Carved frames, &c.
 Pazzi, Prof. Commendatore E., Florence.—
 Bronze statue—"Moses, as a Child."
 Petrucci, R., Naples.—Cameos.
 Picchi, A., Florence.—Wood sculpture and frame.
 Pollastri, A., Florence.—Works of art in carved
 wood, with figures and birds.
 Pozzi, E., Milan.—Marble—"Baby's Food."
 Quartara, G., Turin.—A table.
 Rech, A., Treviso.—Marble work.
 Ricchetti, C., Venice.—Busts inlaid with coloured
 marble.
 Ricci, P., Florence.—Bas-relief—"Holy Water."—
 Marble statue—"Dante, as Ambassador."—Medal
 made in remembrance of Buonarroti's Fourth Cen-
 tenary, celebrated at Florence.—Six different works,
 modelled in chalk.
 Ripamonti, R., Milan.—Sculpture.
 Romanelli Fratelli, Florence.—"A Boy."—"A
 Girl, with Roses."
 Romanelli, F., Florence.—"St. Cecily" (wood
 carving).—Carved frames, brackets, and friezes.
 Rondoni, A., Rome.—Marble busts—"Modesty."—
 "Fauna."
 Rosetti, A., Rome.—Statue—"Ophelia."—Fountain
 and table—"Vintage."—Pedestal, African marble—
 "A Vestal Tempted by Love."—"The Last Days of
 Pompeii."—Statue—"Secret Love."—Group—"The
 Heart Question."—"Louis XVI. Vases."—"Hope."
 —Statue—"Secret Love."
 Sani, T., Melbourne.—Statue—"Welcome."
 Santarell, Prof. Cavaliere E., Florence.—
 Marble statues—"The Madonna."—"Prudence."—
 "Secrecy."—"Michel Angelo."—"Galileo Galilei."
 —"Dante."
 Scalambrini, G., Rome.—"A Cup."
 Siotto, P., Rome.—Cameos.
 Societa Indoratori, Naples.—Two small busts, in
 terra-cotta.
 Somasca, F., Rome.—Wood sculpture and carving.
 Spassi, G., Verona.—Marble group—"An Innocent
 Kiss."
 Summers, C., Rome.—"Lynceus and Hyperm-
 nestra."
 Tabacchi, Commendatore E., Turin.—"The
 Bather" (damaged on the journey).
 Tacco, G., Carrara.—"Leda."
 Tognozzi, M. A., Florence.—Bronze statuettes—
 "Bacchante."—"Venus."—"Small Horse, with Har-
 ness."—Statue—"Bull."
 Tombini, A., Rome.—"Child's Play."
 Trombetta, E., Milan.—Marble statuette —
 "Harvest."
 Udney, J., Carrara.—Marble statue—"Shepherd
 Crossing the Alps."
 Vaccaro, Don Giovanni, Caltagirone.—Terra-
 cotta statuettes (exhibited by O. Meyer).
 Vichi, F., Florence.—Marble statuette—"Bacchus."
 Alabaster statuettes.
 Weiller e Co., Leghorn.—Marble and alabaster
 works.
 Weizenberg, A., Rome.—Marble statue—"The
 Youth at the Brook" (Schiller).
 Zannoni, Cavaliere U., Milan.—Marble statues—
 "Study and Work."—"Illusion."

Class 5.—Engravings and Lithographs.

- Brogi, C., Florence.—Engravings.
 Frauenfelder, P., Palermo.—Lithographs.

NETHERLANDS.

Class 1.—Oil Paintings.

- Eversen, A.—"Village View in Winter."—"Village
 View in Winter."
 Henkes, G., The Hague.—"In the Cabin of a Trek-
 schutt."
 Mesdag, H. W., The Hague.—"On the Zealand
 Streams."—"The Strand Scheveningen."
 Mesdag, Madame.—"Marshland, Province of
 Drenthe."
 Paling, J. J.—"Interior."
 Schiedges, P. P.—"River View, with Hazy Sky."
 Schulman, L., Hilversum.—"Landscape in Guel-
 derland."
 Schwartz, Miss T.—"Afra, a Martyr."—"A
 Study."
 Taanman, J., Amsterdam.—"Girl and Flowers."—
 "A Conservative."—"When the Teacher's Back is
 Turned."
 Van Bosse, Miss, The Hague.—"A Brook Pro-
 vince of Guelderland."
 Van de Sande, Miss E., Bakhuisen.—"Roses."

- Van der Berg, S.—"Landscape, with Sheep."—
 "Wood, with Shags."
 Van Essen, J., Amsterdam.—"In the Forest."
 Veder, H., Rotterdam.—"On the Meuse."
 Westerwoudt, G. B., Amsterdam.—"Village
 Scene."—"A Study."

Class 3.—Sculpture and Die-sinking.

- Quellinus School, Amsterdam.—One bust,
 sculptured by the director, E. Collinet.

Class 4.—Architectural Drawings and Models.

- Langhout, W., jun., Amsterdam.—Drawings of
 cattle and village farms, with dwellings for agri-
 cultural workmen.

Class 12.—Photographic Proofs and Apparatus.

- Royal Dutch Bent and Ground Glass
 Works, Dordrecht.—Specialties for photo-
 graphers, photographic glass.

SWITZERLAND.

Class 1.—Oil Paintings.

- Rudisuhli, J. L., Basle.—Oil paintings.
 Stulkelberg, Ernest, Basle.—Oil paintings.

Class 3.—Sculpture and Die-sinking.

- Flueck, J., Brienz.—Wood carvings.

Class 12.—Photographic Proofs and Apparatus.

- Ganz, J., Zurich.—Magic-lantern and slides.

UNITED KINGDOM

OF

GREAT BRITAIN AND IRELAND.

SPECIAL EXHIBITS.

Paintings lent to the British Royal Commission by HER MAJESTY THE QUEEN.

"THE QUEEN RECEIVING THE SACRAMENT" (the concluding part of the ceremony of Her Majesty's Coronation) on the 28th of June, 1838. By C. R. Leslie, R.A.

"THE ROYAL FAMILY IN 1847." Copied by Signor Belli from F. Winterhalter's Picture at Osborne.

"THE MARRIAGE OF HIS ROYAL HIGHNESS THE PRINCE OF WALES," at St. George's Chapel, Windsor Castle, 10th March, 1863. By W. P. Frith, R.A.

"THE ROYAL PROCESSION TO ST. PAUL'S CATHEDRAL," on the Thanksgiving Day, 27th February, 1872. By N. Chevalier.

Painting lent by HIS ROYAL HIGHNESS THE PRINCE OF WALES.

"CEREMONY OF THE OPENING OF THE INTERNATIONAL EXHIBITION IN VIENNA, 1873." By N. Chevalier.

Electrotype Reproductions of the Royal Plate.

Contributed by the Department of Science and Art, South Kensington Museum, London.

The objects forming part of the Regalia preserved in the Tower of London were lent, for the purpose of being reproduced, by the gracious permission of Her Majesty the Queen.

They consist for the most part of plate made at the time of the Restoration, in 1660, to replace, and in some instances to represent, earlier pieces. This seems to be the case with the Ampulla, or Anointing Cruse, the original of which is of pure gold. Its form is antique, evidently derived from an early epoch; but the actual work is of the seventeenth century. The Anointing Spoon, however, which accompanies it, made of silver richly gilt, dates from the early part of the thirteenth century. The sanctity of the anointing oil was, in early ages, deemed of great importance, and various legends were current respecting its discovery and efficacy. These superstitions afforded, no doubt, a special reason why in 1649 the Commissioners of the Parliament destroyed all they could lay hands on, and were well content to be able to report these ancient and long-valued objects as "broken and defaced." The salt-cellar dates from the time of Queen Elizabeth, and has been called a model of the "White Tower" of London, to which, however, it has little resemblance except in being square and castellated. It was used on the King's table at the coronation of George IV. The wine fountain, of silver gilt—a large and elaborate piece of English silversmiths' work—was presented to King Charles II. by the Corporation of Plymouth.

The other objects exhibited are from the Royal collection of plate at Windsor Castle, and were also reproduced by permission of Her Majesty the Queen. The following is the list of the articles exhibited, with the date when made:—

SPOON. English. Date, about 1200-50.

FLAGON. English. Seventeenth century.

SALVER, OR ALTAR DISH. English. Date, about 1690.

CHRISTENING FONT, WITH COVER. English. Date, about 1660.

SALVER, OR CHRISTENING FONT. English. Date, about 1660.

SALT-CELLAR. English. Date, about 1560.

WINE FOUNTAIN. English. Second half of seventeenth century.

TANKARD, WITH COVER. Flemish (?). Seventeenth century.

SALT-CELLAR. English. Seventeenth century.

AMPULLA, OR ANOINTING CRUSE. English. Seventeenth century. (Probably representing an earlier piece.)

SCEPTRE. English. Seventeenth century.

SALVER. English. Date, 1814.

VASE, OR WINE-COOLER. English. Date, 1812.

VASE, OR CUP. English. About 1812.

CUP. The ivory carving Flemish (?), seventeenth century. The mounting English. Date, 1785.

ELEPHANT. English. Date, latter part of eighteenth century.

EPERGNE, OR CENTRE PIECE. English. Date, about 1750.

TABLE. English. Date, about 1670.

TABLE. Date, about 1700.

FIRE DOG. English. Date, about 1670.

Cartoon lent by the LORDS OF THE COMMITTEE OF COUNCIL ON EDUCATION.

"INDUSTRIAL ART AS APPLIED TO WAR." By Sir Frederick Leighton, P.R.A.

PAINTING AND ETCHINGS by James Barry, R.A. (born 1741, died 1806), lent by the Society for the Encouragement of Arts, Manufactures, and Commerce, Adelphi, London.

PAINTING.

"THE TEMPTATION OF ADAM."

ETCHINGS.

These etchings, at the close of the Exhibition, were presented to the National Gallery of Victoria.

The first six etchings represent the series of paintings executed by Barry for the Lecture Hall of the Society.

"ORPHEUS."

"A GRECIAN HARVEST HOME."

"THE VICTORS AT OLYMPIA."

"THE THAMES."

"THE SOCIETY."

"ELYSIUM, OR THE STATE OF FINAL RETRIBUTION."

"PORTRAIT OF THE LATE JAMES BARRY, R.A." (Born 1741, died 1806.)

"THE TEMPTATION OF ADAM."

"THE PHOENIX; OR, THE RESURRECTION OF FREEDOM."

"TESTIMONIAL TO THE MEMORY OF CHARLES JAMES FOX."

"JOB REPROVED BY HIS FRIENDS."

"SACRA CHRISTA FAMILIA."

"THE CONVERSION OF POLEMON."

"PHILOCTETES IN THE ISLAND OF LEMNOS."

"THE FALL OF SATAN."

"SATAN'S ADDRESS TO THE FALLEN ANGELS."

"SATAN AND DEATH."

"THE BIRTH OF VENUS."

"KING LEAR."

"PORTRAIT OF PITT, EARL OF CHATHAM."

"PANDORA."

Contributions Illustrative of the Action of the Department of Science and Art, South Kensington, London.

EXHIBITED BY PERMISSION OF THE LORDS OF THE COMMITTEE OF COUNCIL ON EDUCATION.

DRAWINGS AND PAINTINGS BY STUDENTS OF SCHOOLS OF ART OF THE UNITED KINGDOM,
Exhibited by the Science and Art Department of the Committee of Council on Education.

Description.	Student.	School of Art.
LINEAR DRAWING BY AID OF INSTRUMENTS.		
Linear geometry	H. Sykes	Huddersfield
Solid geometry	W. M. Grubb	Dundee
Linear perspective	W. Duncan	South Kensington
Machine drawing	W. G. Causer	Birmingham
Details of architecture from copies	B. H. Price	Oxford
FREEHAND OUTLINE DRAWING, RIGID FORMS FROM FLAT EXAMPLES OR COPIES.		
Ornament	J. Fulwood	Birmingham
FREEHAND OUTLINE DRAWING, FROM THE "ROUND."		
Ornament	M. S. Blackman	Southampton
SHADING FROM FLAT EXAMPLES OR COPIES.		
Ornament	J. Rowe	Penzance
SHADING FROM THE "ROUND" OR SOLID FORMS.		
Models and objects	F. H. French	North London
DRAWING THE HUMAN FIGURE AND ANIMAL FORMS, FROM COPIES.		
In outline	A. H. Gear	South Kensington
DRAWING THE HUMAN FIGURE, OR ANIMAL FORMS, FROM THE "ROUND" OR NATURE.		
Study of the human figure, from nude model	W. S. Crosbie	South Kensington
Study of the human figure, from nude model	R. Elson	Lambeth
Time sketching, and sketching from memory	W. Derrick	South Kensington
Time sketching, and sketching from memory	G. Marks	Lambeth
Study of human figure, draped	H. Woods	South Kensington
Time sketching, and sketching from memory	F. Dadd	South Kensington
ANATOMICAL STUDIES.		
Of human figure, modelled	J. C. Swallow	South Kensington
Of human figure, modelled	J. C. Swallow	South Kensington
DRAWING FLOWERS, FOLIAGE, LANDSCAPE DETAILS, AND OBJECTS OF NATURAL HISTORY, FROM NATURE.		
In outline	C. P. Slocombe	South Kensington
In outline	R. Brydall	Glasgow
In outline	Edith Gourlie	South Kensington
PAINTING ORNAMENT FROM FLAT EXAMPLES.		
In colours	G. A. Stubbs	Marlborough House
PAINTING (GENERAL) FROM FLAT EXAMPLES OR COPIES, FLOWERS, STILL-LIFE, &c.		
Flowers	M. A. West	Bloomsbury
Landscape, or views of buildings	J. Menzies	South Kensington
PAINTING, FROM NATURE, GROUPS OF STILL-LIFE, FLOWERS, &c., AS COMPOSITIONS OF COLOUR.		
Flowers	Emily F. Jackson	South Kensington
Still-life	Student (no name)	South Kensington
Still-life	W. H. Jobbins	South Kensington
Still-life	Carter	South Kensington
PAINTING THE HUMAN FIGURE OR ANIMALS IN MONOCHROME, FROM CASTS.		
From cast	C. D. Hodder	South Kensington
From cast	Henrietta Millar	South Kensington
ELEMENTARY DESIGN.		
Treating natural objects ornamentally	W. Black	Edinburgh
Treating natural objects ornamentally	W. Black	Edinburgh
Studies of historic style of ornament	J. A. Kean	South Kensington
Studies of historic style of ornament	A. A. Bradbury	South Kensington
APPLIED DESIGNS; TECHNICAL OR MISCELLANEOUS STUDIES.		
Machine drawing from measurement	W. A. Boon	South Kensington
Architectural design	W. A. Stopford	South Kensington
Architectural design	W. T. Roberts	South Kensington
Architectural design	M. Sullivan	South Kensington
Surface design	H. E. Tidmarsh	South Kensington
Surface design	T. Watkins	Birmingham
Surface design	W. G. Thomas	Westminster
Surface design	H. Seagrave	Nottingham
Surface design	L. Lambert	Dublin

Class 1.—Oil Paintings:—Paintings on Canvas, on Panel, and on other Grounds.

- Aikman, G.**, Edinburgh.—“Cornfield, East Coast of Scotland.”
- Alma-Tadema, L.**, R.A., London.—Miss Thackeray’s “Elizabeth.”—“Spring.”—“Sunflowers.”—“Portrait of Herr George Henschel.”
- Alma-Tadema, Mrs.**, London.—“A Birdcage.”
- Ansdell, R.**, R.A., London.—“Evening; Girl and Dogs.”—“The Anxious Mother; Sheep.”—“Partridge Shooting.”—“The Deer Family.”
- Archer, J.**, R.S.A., London.—“From the Ballad of ‘Sir Patrick Spens.’”—“Loch Carron, Ross.”
- Armitage, E.**, R.A., London.—“Pygmalion’s Galatea.”—“The Mother of Moses.”
- Aumonier, J.**, London.—“Dolgarrog Mill, Conway Valley, North Wales.”—“South Cove Common, Suffolk.”
- Ballin, A.**, Brentford.—“The ‘Victory’ Cutting the Franco-Spanish Line at the Battle of Trafalgar.”
- Barber, J. M.**, London.—“Mowers.”—“Elstead Bridge, Surrey.”
- Barnard, F.**, London.—“Scene from ‘Barnaby Rudge.’”—“Saturday Night in the East-End of London.”
- Bartlett, W. H.**, London.—“Nearing Home.” In the Oety Thal, Tyrol.—“The Truants,” Bavaria.
- Bauerle, C.**, London.—“Spring.”—“Midsummer Noon.”—“Daisies.”
- Baxter, C.**—“H.R.H. the Princess of Wales.” Lent by A. Tooth.
- Bayes, A. W.**, London.—“Friends and Foes.”—“Disturbed.”
- Bayliss, W.**, F.S.A., London.—“Interior of Strasburg Cathedral.”
- Beale, Miss S.**, London.—“The Last Chapter.”
- Beavis, R.**, London.—“Bedouin Caravan descending the High Ground at Wady Ghurundel, *en route* to Mount Sinai.”—“Threshing-floor at Gilgal.”
- Beckman, E.**—“The Coastguard.”
- Bedford, J. B.**, London.—“Fair Margaret.”
- Bingley, J. G.**, Surrey.—“The Miller’s Belongings.” Sketch near Penzance, Cornwall.
- Bottomley, J. W.**, London.—“Dawdling Home.”
- Boughton, G. H.**, A.R.A., Camden Hill-road.—“Sunshine.”—“Clouds.”
- Brett, J.**, A.R.A., London.—“Mount’s Bay, Cornwall.”
- Brewtnall, E. F.**, London.—“The Sleeping Beauty.”
- Bromley, W.**, London.—“Going to Market.”
- Brooks, Miss**, London.—“The Penny Story Book.”
- Brooks, T.**, London.—“A Story of the Sea.”—“The Rendezvous.”
- Brown, A. K.**, Glasgow.—“Pass of the Lyon, Perthshire, Scotland.”
- Browning, R. B.**, London.—“A Stall in the Fish Market at Antwerp.”—“The Unanswered Question.”
- Calderon, P. H.**, R.A., London.—“Joan of Arc.”
- Calthrop, C.**, London.—“Meeting of Scotch Jacobites.”
- Campion, H.**, London.—“Woodland Stream, Normandy, France.”—“On the Thames, Maple-Durham.”
- Cauty, H. H.**, London.—“Tramps, Burnham Common, near Slough, Bucks.”—“Caerleon Cove, near the Lizard, Cornwall.”
- Chapman, J. W.**, London.—“The Old Curiosity Shop.”—*Vide* Charles Dickens.
- Charlton, J.**, London.—“Beauty and the Beast.”
- Chester, F.**, London.—“Making Hay while the Sun Shines.”
- Chester, G.**, London.—“The Hampshire Hatches on the River Avon, above Christchurch.”—“Wood Gathering in the New Forest, Hampshire.”
- Clark, J.**, London.—“Wandering Minstrels.”
- Collier, J.**, London.—“Andrea dal Castagno.” Surnamed degl’ Impiccat (of the hung).
- Cooke, E. W.**, R.A., F.R.S., Groombridge.—“The ‘Cleopatra’ Cylinder Vessel in a Hurricane in the Bay of Biscay, on the 14th of October, 1877.”—“Ruins on Island of Philæ the Beautiful.”—“A Dutch Galliot aground on a Sand Bank in the ‘Bies-bosch,’ Holland. Low water.”
- Cooper, T. G.**, London.—“A Scene in Sherwood Forest.”
- Cooper, T. S.**, R.A., London.—“A Brook in the Meadows.”—“Amongst the Rocks, Glencoe.”
- Cope, C. W.**, R.A., London.—“Lieutenant Cameron’s ‘Welcome Home’ from Explorations in Africa.”
- Correggio School.**—(Lent by J. S. Laurie, Esq.) Panel—“The Holy Family.”—“A Dead Christ and Mater Dolorosa,” by Domenichino.
- Cotman, F. G.**, London.—“Going through the Orchard.”—“I am Monarch of all I Survey.”—“A Sunny Bit.”
- Couldery, H. H.**, London.—“Maternal Affection.”
- Cox, F. E.**, London.—“The Towing Path.” On the Thames.
- Crane, W.**, London.—“The Fate of Persephone.”
- Crowe, E.**, A.R.A., London.—“Sheep-shearing Match.”
- Davidson, T.**, London.—“Dessert.”
- Davis, V.**, London.—“Among the Buttercups.”
- Dacey, F.**, London.—“Song of Solomon.”
- Dicksee, J. R.**, London.—“Alice Lee.” “Woodstock,” Sir Walter Scott.—Mrs. Pepys’ “Home, and Found my Wife making Tea.”
- Dicksee, T. F.**, London.—“Lady Teazle.”
- Dillon, F.**, London.—“Eavesdropping.”—“Tombs of the Mameluke Sultans, Cairo.” (Both lent by Frederick Wigan, Esq.)—“A Japanese Interior: The Lost Shuttlecock.”—“House of the Sheikh Sedât, Cairo.”
- Dobson, W. C. T.**, R.A., London.—“Christ Raiseth from Death the Widow’s Son at Nain.”
- Dockree, M. E.**, London.—“In Shelved Nook the Mill-stream still Sings its Merry Lay.”
- Dollman, J. C.**, London.—“The Course of True Love never did Run Smooth.”
- Dowling, R.**, London.—“Morning in the Market Place, Cairo.”—“Moses Viewing the Promised Land.”
- Downard, E. N.**, London.—“The Haunt of the Fallow Deer.” The Rother, Petworth, Sussex.
- Earle, C.**, London.—“A Spring Morning.”
- Edward, A. S.**, London.—“From Birnam Hill to Ben-y-Gloe, Scotland.”
- Elmore, A.**, R.A., London.—“On the Housetops, Algiers.”
- Faed, J.**, R.S.A., London.—“King James IV. before the Battle of Flodden.”
- Fahey, E. H.**, London.—“All Among the Barley.”—“Heartsease.”
- Field, W.**, London.—“A Summer Evening.”
- Fry, S.**, London.—“The Founder’s Tomb, Westminster.”
- Fulleylove, J.**, I.P.W.C., Leicester.—“Where Heaves the Turf in many a Mould’ring Heap.” Gray.
- Fyfe, Wm.**, London.—“The Young Cavalier.” “Portrait of Gordon Campbell Ogg, aged seven years.”
- Gadsby, W.**—“The Picture Book.”
- Gale, Wm.**, London.—“Spoils of War.”—“Maggie.”
- Garland, H.**—“A Highland Dove, Argyleshire.”
- Gilbert, Sir John**, R.A., Blackheath.—“Doge and Senators of Venice in Council.”—“Squire and Sophia Western and the Aunt at Cards.”—“The Battle of Naseby.”
- Girardot, E. G.**, London.—“Mamma’s Flowers.”
- Glindoni, H. G.**, London.—“Arming the Household.”—“Arrested.”
- Goodall, F.**, R.A., Harrow Weald.—“Spring Time in Egypt.”—“Sheep-washing near the Pyramids of Geezah.”
- Goodman, Mrs.**, London.—“Waiting.”—“Will He Come?”
- Gow, J.**, London.—“An Easy Lesson.”
- Grace, A. F.**, Amberley.—“Sussex Downs—Evening.”
- Graham, T.**, London.—“O’er the Downs.”
- Griffith, W.**, Bromley.—“My Baby Sleeps.”
- Griffiths, T.**, London.—“Carting Turf on the Yorkshire Moors.”—“On the Portland Road, near Weymouth.”
- Hall, W. H.**, London.—“Waiting for the Ferry.” Scene on the Thames.
- Hardy, T. B.**—“Fishing Boats off Scheveningen.”
- Hargitt, E.**, London.—“Loch Ling.”—“West Loch, Tarbet.”—“Arran, from Cantyre.”

- Hayes, E., R.H.A., London.—"Dutch Pinks returning from Sea, Katwyke Beach, Holland."—"Genoa la Superba."
- Hetherington, J., London.—"A Provincial Tour in South Devon."—"After the Apple Harvest, South Devon."
- Hemy, C. N., London.—"Home Again."
- Hering, G. E., London.—"Bay of Brodrick, Isle of Arran, in the Firth of Clyde."
- Herbert, J. R., R.A., London.—"Lear Disinheriting Cordelia."—"Christmas Eve at Bethlehem."
- Herbert, W. V., London.—"A Captive Briton in the Colosseum."
- Hicks, G. E., London.—"Home from Work."—"All that was Left to Love."
- Hill, A., London.—"The Foolish Virgins."
- Hodgson, J. E., R.A., London.—"Loot."—"One touch of nature makes the world akin."
- Hopkins, W. H., London.—"Rest."
- Holden, E. H., London.—"Lane Scene at Scarborough, Yorks."
- Horsley J. C., R.A., London.—"Cupboard Love."—"The Unwilling Salute. 'Discipline Oblige.'"
- Horsley, W. C., London.—"Going to the Front." India, 1879.
- Houston, J. A., R.S.A., London.—"The Matchlock."—"Warlike Gear of Old."
- Hughes, Wm., London.—"English Flowers."
- Hume, E., Midhurst.—"Shrimpers."
- Hume, Hy., London.—"A Normandy Farmyard."
- Hunter, C., Kensington.—"Salmon Fishers, Loch Fyne."
- Jay, W., London.—"In Leigh Woods, near Bristol."
- Johnson, A., London.—"The Wanderer."
- Johnson, C. E., London.—"A Gipsy Encampment."
- Johnson, H., London.—"An October Morning in Sussex—Waiting for the Guns."—"The Old Lock. Summer Twilight after Rain."
- Johnston, A., London.—"In the Leafy Lanes."
- Jones, C., London.—"Chilston Lane, Cockington."—"Hampshire Downs. Sheep and Rooks."
- Jopling, Mrs. L., London.—"The Five Sisters of York."
- Kilburn, G. G., London.—"Spring Spoil."
- Knight, J. W. B., London.—"Home, Sweet Home." Wales.—"The High Road, Winchelsea."—"Farm near Fairlight, Hastings."
- Koberwein, R., London.—"In that Sweet Mood when Pleasant Thoughts bring Sad Thoughts to the Mind."
- Lancaster, A. D., London.—"Convalescents." In the Chapel of the Children's Hospital, Great Ormond-st., London.
- Law, D., London.—"Dittisham, on the Dart."
- Lawson, C., London.—"The Hop Gardens of England."
- Lehmann, R., London.—"Ophelia."
- Leighton, Sir F., London.—"Samson and Delilah."
- Le Jeune, H., A.R.A., London.—"Queen Catherine's Dream."
- Lewis, C. J., London.—"The Water Lane."—"A Wiltshire Mill-race."—"A Welsh View." Llangellin, North Wales.
- Lucas, A. D., Chilworth.—Four oil paintings—"Flowers."
- Lucas, S., London.—"The Gordon Riots."—"An Ambuscade."
- Luker, W., London.—"Scotch Cattle in Down Park—Spring Morning."—"Spring Time—Burnham Beeches."
- Maccallum, A., London.—"The Forest of Balloch Rhui, Balmoral."
- Macallum, H., London.—"Catching Dabs, Tarbart Harbour."
- Macbeth, R. W., London.—"A Sardine Fishery."
- M'Culloch, J., London.—"Porten Cross Castle, on the Clyde."
- Marshall, W. E., London.—"Sheepfold—Winter."
- Marks, H. S., R.A.—"The Jolly Postboys."
- Miles, T. R., London.—"Tis mercy calls them to the work—a ship is in distress." E. Cook.—"And England, rich in record of her princes, kings, and crowns, May tell still prouder stories of her boatmen of the Downs." E. Cook.—"I saw the pomp of day depart, the cloud resign its golden crown." Longfellow.
- Mogford, J., London.—"The Menai Straits."
- Montague, A.—"Off the Coast, Isle of Wight."
- Moore, H., London.—"Mist and Sunshine, Yarmouth Roads."—"Towing out with the Tide—Sunset, Port Madoc."
- Morgan, J., Guildford.—"Wards in Chancery."
- Moscheles, F., London.—"On the Banks of the Kanagawa."—"Father's Nets."
- Munger, G., London.—"Treberwith, Cornwall."—"Willapark, Cornwall."
- Mutrie, Miss A. F., London.—"Evening Primrose."
- Mutrie, Miss M. D., London.—"White Lilac."
- Naish, J. G., Ilfracombe.—"Hell Cove, North Devon."
- Lady Nicholson, Totteridge.—"The Three Sons of Sir Charles Nicholson, Bart."—"Portrait of Sir Charles Nicholson, Bart., D.C.L., LL.D."
- O'Connor, J., London.—"Evening on the Thames at Westminster."—"Grenada, Spain."
- Ormsby, P., London.—"Afternoon Tea in the Last Century."
- Parsons, A., London.—"A Willowy Brook that Turns a Mill."
- Perugini, C. E., London.—"A Modern Bacchante."—"Finishing Touches."
- Pocock, L. L., London.—"The Dawn of Christianity in Britain."
- Poole, P. F., R.A., London.—"A Wounded Knight."
- Pratt, Mrs. A. E., Haslemere.—"First of May, Haslemere."
- Prinsep, Val., A.R.A., London.—"The Death of Cleopatra."
- Redgrave, R., R.A., London.—"Jack o' Lanthorn."
- Robertson, H. R., London.—"A Summer Flood."—"Gleaners."
- Rooke, T. M., London.—"A Devonshire Maid."—"In Dittisham Church, Devonshire."
- Sainsbury, E., London.—"A Late Visitor."
- Scholderer, O., Putney.—"Reverie."
- Small, W., London.—"The Captive Briton."
- Smart, J., R.S.A., Edinburgh.—"The Crofter's Flitting."
- Smith, G., London.—"Far Away."
- Starr, Miss L., London.—"Rose Time."
- Stock, F. R., London.—"The Model."—"Jeannette."
- Stocks, A., London.—"Our Soldiers, Past and Future."
- Stone, M., A.R.A., London.—"An Appeal for Mercy."
- Storey, G. A., A.R.A., London.—"Pettoe."
- Thomson, L., London.—"Furze in Blossom, Scotland."—"Where Tweed and Teviot Meet."
- Thornycroft, T. G., London.—"Dives and Lazarus."
- Thomas, Miss, London.—"Portrait of Charles Summers, Sculptor."
- Topham, F. W. W., London.—"A Bridal Welcome." Florence, 1865.
- Waite, J. C., London.—"What shall we say next, Dickey?"
- Walker, J. H., London.—"Preparing for the Festival."
- Waller, S. E., London.—"The King's Banner." Lent by Col. H. Stuart Wortley.
- Wallis, H., London.—"A Morning Call."—"Ladies of Smyrna."
- Walters, G. S., London.—"An Autumn Afternoon near Amsterdam."
- Walton, F., St. Mary, near Dorking.—"The Home of Many Generations."
- Waterlow, E. A., London.—"A Mill-stream in Wales."
- Watkins, B. C., R.H.A., Dublin.—"Ecclesiastical Ruins and Round Tower, on Inniscaltra, or Holy Island, Lough Derg."
- Watson, C. J., Norwich.—"Boatbuilding on the Yare."
- Watt, L., London.—"On the Beach—Coast of Kent."—"A Little Picnic."
- Watts, G. F., R.A., London.—"Britomartis and her Nurse."—"Esau."
- Webb, J., London.—"Brighton."—"Off the Dordt, Holland."
- Weber, O., London.—"Come on, Come along."—"A Herd of Highland Cattle."
- Weigall, H., London.—"Trumpeter."

Williams, H., London. — "Foundlings." Spain, 1790. — "A Spanish Matador."
 Winkfield, F. A., London. — "Mending Nets." Hastings.
 Wyllie, C. W., London. — "The Sanded-up Harbour of Ambleteuse."
 Wyllie, W. M., London. — "The House of Commons, 1877."
 Wynfield, D. W., London. — "Joseph Revealing Himself to his Brethren." — "The Death of George Villiers, Duke of Buckingham."
 Yeames, W. F., R.A. — "Pour les Pauvres."
 Yglesias, V. P., London. — "At Greenwich."

The VICTORIA CROSS GALLERY,
 painted by the Chevalier Louis W. Desanges.

PRIVATE SAMUEL PARKES, V.C., 4th Light Dragoons.
 LIEUTENANT FRANCIS EDWARD HENRY FARQUHARSON, V.C., 42nd Highlanders.
 MAJOR CHRISTOPHER CHARLES TEESDALE, C.B., V.C., Royal Artillery.
 PRIVATE JOHN M'DERMOND, V.C., 47th Regiment.
 LIEUTENANT WILLIAM HOPE, V.C., 7th Fusiliers.
 CAPTAIN (now Brevet Lieut.-Col.) DIGHTON MACNAUGHTEN PROBYN, C.B., V.C., 2nd Punjaub Cavalry.
 CAPTAIN FREDERICK ROBERTSON AIKMAN, V.C., 3rd Sikh Cavalry.
 COMMANDERS JOHN TALBOT BURGOYNE, V.C., and CECIL WILLIAM BUCKLEY, V.C.
 COLONEL BELL, V.C., Royal Welsh Fusiliers (23rd Regiment).
 MAJOR CHARLES JOHN STANLEY GOUGH, V.C., 5th Bengal European Cavalry.
 COMMANDER HENRY JAMES RABY, V.C., and the late LIEUTENANT EDWARD HUGHES D'AETH, of H.M.S. "Sidon," assisted by JOHN TAYLOR (afterwards promoted to Boatswain for his constant gallantry and general good conduct).
 MAJOR FREDERICK SLEIGH ROBERTS, V.C., Bengal Artillery.
 CAPTAIN WILLIAM ALEXANDER KERR, V.C., South Mahratta Horse.
 MAJOR ROBERT DUNN, V.C., 100th Regiment.
 CAPTAIN LUKE O'CONNOR, V.C., 23rd Royal Welsh Fusiliers.
 ROSS L. MANGLES, Esq., V.C., Bengal Civil Service, Assistant-Magistrate at Patna.
 "THE BATTLE OF KOOSHAB," 8th February, 1857.
 LIEUTENANT AND ADJUTANT ARTHUR MOORE, V.C., and LIEUTENANT JOHN GRANT MALCOLMSON, V.C., 3rd Bombay Light Cavalry.
 COLOUR-SERGEANT HENRY M'DONALD, Royal Engineers, V.C., Knight of the Legion of Honour.
 DR. HOME, V.C., and DR. BRADSHAW, V.C., 90th Regiment.
 PRIVATE HENRY WARD, V.C., 78th Highlanders.
 COMMANDER WILLIAM NATHAN WRIGHT HEWETT, V.C., R.N.
 DR. SYLVESTER, V.C., and CORPORAL SHIELDS, V.C.
 LIEUTENANT (now MAJOR) LEITH, V.C., 14th K.L.D.
 LIEUTENANT-COLONEL LOYD LINDSAY, V.C., Scots Fusilier Guards.
 JAMES MOUAT, Esq., C.B., V.C., Deputy Inspector-General (late 6th Dragoon Guards), and SERGEANT WOODIN, V.C., 17th Lancers.
 LIEUTENANT HARRY NORTH DALRYMPLE PRENDERGAST, V.C., Madras Engineers.
 COLONEL HENRY TOMBS, C.B., V.C., and LIEUTENANT JAMES HILLS, V.C., Bengal Artillery.
 LIEUTENANT-COLONEL HENRY TOMBS, C.B., and LIEUTENANT JAMES HILLS.
 PRIVATE ANTHONY PALMER, V.C., 3rd Battalion Grenadier Guards.
 LIEUTENANT THOMAS ADAIR BUTLER, V.C., 1st Bengal Fusiliers.
 LIEUTENANT-COLONEL SIR CHARLES RUSSELL, Bart., V.C., &c., Grenadier Guards.
 SERGEANT ALFRED ABLETT, V.C., 3rd Battalion Grenadier Guards.
 LIEUTENANT WILLIAM GEORGE CUBITT, V.C., 13th Bengal, N.I.
 COLONEL THE HON. HUGH PERCY, V.C., Legion d'Honneur (Aide-de-Camp to the Queen).

LIEUTENANT YOUNG, V.C., WILLIAM HALL, A.B., V.C., and LIEUTENANT NOWELL SALMON, V.C.
 THOMAS HENRY KAVANAGH, Esq., V.C., Assistant-Commissioner in Oude.
 CORPORAL ROBERT SHIELDS, V.C., Chevalier de la Legion d'Honneur, 23rd Regiment (Royal Welsh Fusiliers).
 BREVET-MAJOR GERALD LITTLEHALES GOODLAKE, V.C., Coldstream Guards.
 COMMANDER GEORGE FIOTT DAY, V.C., R.N.
 MAJOR ELPHINSTONE, V.C. Royal Engineers.
 CAPTAIN ANDREW HENRY, V.C., Land Transport Corps (late Royal Artillery).
 COLONEL COLLINGWOOD DICKSON, C.B., V.C. (Aide-de-Camp to the Queen), Royal Artillery.
 DR. J. JEE, C.B., V.C., Surgeon, ASSISTANT-SURGEON VALENTINE M. M'MASTER, V.C., and LIEUTENANT and ADJUTANT HERBERT T. MACPHERSON, V.C., 78th Highlanders.
 CAPTAIN JOHN EDMUND COMMERELL, R.N., V.C.
 PRIVATE JOHN J. SIMS, V.C., 34th Regiment.
 PRIVATE T. R. ROBERTS, V.C., 9th Lancers.
 CAPTAIN HENRY EVELYN WOOD, V.C., 17th Lancers.
 LIEUTENANT CHARLES GEORGE BAKER, V.C., Bengal Police Battalion.
 LIEUTENANTS DUNCAN CHARLES HOME, V.C., and PHILIP SALKELD, V.C., 1st Bengal Engineers, with BUGLER HAWTHORNE, V.C., 62nd Regiment.
 LIEUTENANT ROBERT M. ROGERS, V.C., 44th Regiment, and LIEUTENANT EDMUND H. LENON, V.C., 67th Regiment.
 LIEUTENANT ANDREW CATHCART BOGLE, V.C., 78th Highlanders.
 LIEUTENANT FRANCIS D. M. BROWN, V.C., 1st Bengal Fusiliers.
 MR. WILLIAM FRASER M'DONNELL, V.C., of the Bengal Civil Service, Magistrate of Sarun.
 THE BATTLE OF INKERMANN.
 LIEUTENANT JOHN WATSON, 1st Punjaub Cavalry.

Class 2.—Water-colours.—Various Paintings and Drawings.

Absolon, J., London. — "The Emigrant Ship, Sunday Evening." — "Madame Desmoulins." — "Church of Tredamit, Brittany." — "A Bit of Wiltshire." — "Sir Roger de Coverley."
 Aumonier, J., London. — "A Yorkshire Fishing Village."
 Bannatyne, J., London. — "Duncraggan, Trossachs, Scotland." — "The Old Road to the Trossachs, Scotland." — "Bury, Sussex."
 Barraud, C. J., London. — "On the Coast of Devon."
 Bayliss, W., London. — "Interior of St. George's Chapel, Windsor."
 Beale, S., London. — "Paris, from the Salle d'Apollon of the Louvre."
 Benwell, J. A., London. — "Desert Travelling." Valley of Sinai.
 Bouvier, A., London. — "Cherry Ripe."
 Bouvier, G., Kentish Town. — "The Old Sun Dial, Hastings."
 Brierly, O. W., London. — "Man Overboard, in the Baltic." — "Admiral Blake Blockading the Royalist Fleet under Prince Rupert."
 Bromley, J. — "On the Old Road to Llanrwst." — "For the Midday Meal."
 Buckman, E., London. — "Decorative Treatment of Modern Subject—London Street Itinerants." — The same.
 Callow, Wm., Great Missenden. — "The Town Hall and Market-place of Padua." — "Entrance to the Port of Tréport, Normandy."
 Chase, M., London. — "In the Conservatory." — "Cowslips and Orchises."
 Corbould, E. H., London. — "Henry V. passing through the Streets of London after the Battle of Agincourt." — "Jehu on his way to Jezreel."
 Connell, J. M. — Ivory miniatures — "Empress of Austria." — "Australian Chess Player."
 Chevalier, N., London. — "Te Anau Lake, New Zealand." — "Monte Rosa," from the Riffel, Switzerland.
 Dakin, J., Red Hill. — "The Seine at Meudon."
 Davidson, C., London. — "Pandy Mill, North Wales."

- Davis, Val., London.—"An Anxious Moment."
- Donaldson, A. B., London.—"Warwick Castle."—"Guy's Cliff, near Warwick."—"Bright Morning after Rain." Ely.—"A May Morning." Dordrecht, Holland.
- Du Maurier, G., Hampstead Heath.—"Original Drawings for Punch," &c.
- Duncan, E., London.—"A Study near Hurley Mill, on the Thames."
- Earle, C., London.—"The Lizard Lighthouse, Cornwall."—"An English Homestead on Sussex Downs."
- Frere, Miss C., Wimbledon.—"Fruitstall in Capetown Market."
- Gilbert, Sir John, R.A., Blackheath.—"Louis XIV. Transacting Business with his Ministers in the Apartment of Madame de Maintenon."
- Gilbert, Miss E., Blackheath.—"Old Letters."—"A Sunny Corner."
- Gilbert, Miss O. P., Blackheath.—"The Miniature."—"Beatrice—Much Ado about Nothing."
- Gillies, M., London.—"Expectation."
- Goodall, E. A., London.—"The Remains of the Causeway which Originally Extended from the Ancient City of Memphis to the Lybian Hills."—"Gate of Justice, Alhambra."—"Venice, from the Lagoon."
- Goodall, M., London.—"Seaweed Gatherers."—"Little Bo-peep."
- Gosling, W., Henley-on-Thames.—"The Thames by Bonley, near Henley."
- Grace, A. F., Amberley.—"August in England."
- Grace, J. E., Milford.—"The Mill Pool."
- Guerin, Mrs. A. L., London.—"Striped Azalea Tree."—"Wall Flowers."—"Azaleas."—"Cottage at Shere, Surrey."—"Farm Houses, Shere, Surrey."
- Guinness, Miss E. S., London.—"Holy Bible, Book Divine, Precious Treasure, thou art mine."
- Haag, Carl, S.P.W.C., London.—"In the Cloisters of the Stiptskirche, at Berchtesgaden, Bavarian Highlands."
- Haghe, L., London.—"Rood Loft in the Church of Dixmude, Belgium."
- Hargitt, E., Brompton.—"Evening."—"Highland Poachers."
- Harper, H. A., London.—"The Mount of God—Sinai."
- Hayes, E., R.H.A., London.—"Ryde Boat, off Portsmouth."—"A Signal of Distress in the Offing, Gorleston Pier, Great Yarmouth."—"Tarifa, Coast of Spain."
- Heffer, E. A., London.—"North Side of the Choir, Westminster Abbey."—"Chapel of St. John, Westminster Abbey."—"Coronation Stone, Kingston-on-Thames."
- Herkomer, H., A.R.A., Bushy.—"Alfred Tennyson."
- Hine, H. G., London.—"Thirlwall Castle, Northumberland."—"At Wareham, Dorsetshire."—"View from Hayward's Heath, Sussex."—"On the Kyles of Bute."
- Hine, H., London.—"St. Alban's Abbey, Hertfordshire."—"Chalky Sea, Eastbourne, Sussex."
- Hopkins, A., London.—"The Boy's Paradise."
- Houston, J. A., R.S.A., London.—"Loch Vennacher and Ben Venue."—"Glen Sannox."—"Cuniag, Sutherland;" "Stark, from the Laxford;" "White Castle, Monmouth;" "Near Arrochar—Evening."—"Harlech Castle, North Wales."—"Loch Earne."—"Druidical Remains."—"Death of Warwick, the King-maker."—"Snowdon—Evening."
- Hunt, A. W., London.—"Loch Coruisk, Isle of Skye, Scotland."—"Ben Sleogh, Kinloch Ewe, Scotland."
- Johnson, H., London.—"When Spring and Summer Meet."—"Wigmore, an Old-World Village in Orchard Country."—"On the River Cad, under the Dewestone, Devon."—"A Trout Stream near St. Peter Tavey, Dartmoor."
- Jopling, J. M., London.—"Preparing the Banquet."—"Lily."—"The Terrace, Balcarres, Fyfe, Scotland."
- Kilburne, G. G., London.—"A Royalist."
- Leonard, J. H., London.—"Closing Day, the Kennet Valley, North Wilts."
- Lewis, L., London.—"The Votive Church of St. Barbe, near Le Fauvet, Morbihan, Brittany."
- Lewis, C. J.—"Village Gossips."
- Lyon, L. S., London.—"Autumn's Touch."
- Macquoid, T. R., London.—"Beside the Meuse, Dinant, Belgium."—"Inn Garden, Remouchamp."
- Macculloch, J.—"Blavin, from Loch Kilchrist, Skye."
- Maplestone, F. E., London.—"Anxious Moments."
- Maplestone, H., London.—"The Old English Festival of Rush-bearing."—"A Sudden Excitement in the Village."
- Marrable, Mrs., London.—"View from St. George's Hill, Weybridge, Surrey, looking towards Windsor Castle."—"Ancient Larches, looking towards Pontresina, Engadine."
- Mead, Miss, London.—"Gossips of Many Years."—"A Yew Tree."
- Miller, H., London.—"In the Boathouse, Saint's Bay, Guernsey."—"Roses."—"Jug of Roses."—"Chrysanthemums."
- Mitchell, P., Plymouth.—"Plymouth Sound, with Drake's Island."
- Mogford, J., London.—"Colzean Castle, West Coast of Scotland."—"Cornish Harvesting, near Grange-wood."—"A Path through the Ferns, near Fal-mouth."—"From Beaumaris across to Aber, North Wales."—"An Estuary."
- Montalba, Miss E., S.P.W.C., London.—"Wreck in the Baltic."—"The Choir of St. Marc's, Venice."
- Nash, J.—"Interior of the International Exhibition, 1862."
- Nattress, G., London.—"Mont St. Michel, Coast of Normandy."
- Newton, A. P., London.—"Ben Nevis, from Loch-loch."—"A Study in the New Forest, Hampshire."
- Pratt, Mrs. A., Haslemere.—"The Slipway, Ryde, Isle of Wight."
- Rigby, C., Broughton.—"In the Declining Summer Sun, the Labouring Mill-wheel Rests."—"A Dangerous Coast."
- Riviere, H. P., London.—"Good Friends."
- Severn, A., London.—"The Boulogne Boat entering Folkestone Harbour in a Storm."—"Venetian Boats Becalmed."—"Florence, from the Albergo d'Arno."
- Severn, W., London.—"Street in Old Cairo—Palace of the Grand Vizier."—"Boscattle, North Coast of Cornwall."
- Small, W., London.—"Drying Herring Nets," Banff, Scotland.
- Smallfield, F., London.—"May Time in England."—"Æsop at School."
- Smith, J. W., London.—"A Rainy Day—Farm-house, near Aldeburgh, Suffolk."—"Farm-house, on the Road between Lyndhurst and Lymington, Hants."
- Smith, T. R.—"Brambletye."
- Smith, W. C., London.—"Wreck of an Indiaman on the Longships."
- Spiers, R. P., London.—"Great Hall of Columns, Karnac, Egypt."—"Church at Hux, on the Meuse, Belgium."—"Court of Justice, Cairo."
- Stevens, A., London.—"The Thames at Bray, Berks."
- Stocks, W. F., London.—"Caernarvon Castle, North Wales."—"An English Village."
- Taylor, E., London.—"Far Away."—"The Casket."
- Thornycroft, H., London.—"Strolling Players."
- Toft, P., London.—"Bamborough Castle."
- Wade, T., Windermere.—"A Farm Yard."—"Old Cottages."
- Warren, E. G., London.—"A Clearing in the New Forest, Hants."—"The Greendale Oak, Wellbeck, Sherwood."
- Watt, L.—"On the Downs, Somersetshire."—"Chalky Beach."
- Weber, O., London.—"Ploughing in Italy."—"Threshing in Italy."
- Westcott, —.—"Fruit Piece." Lent by J. S. Laurie, Esq.

Class 3.—Sculpture and Die-sinking.

- Adams, Acton J., London.—Marble busts—"Mirth."—"Sadness."—Terra-cotta bust—"The Rev. Mr. Spurgeon."
- Foley, J. H., R.A. (the late).—"The Youth at the Stream." Lent by the Royal Horticultural Society.
- Johnstone, Eli.
- Joy, A. Bruce, London.—Medallions—"Mrs. Scott Siddons."—"The Viscountess Monck."—"Mrs. David M'Ivor."—"The Provost of Oriel College, Oxford."

Soane, H., London.—Four frames of specimens of engraving, die-sinking, heraldic paintings, seals, &c.
 Stevenson, D. W., Edinburgh.—“Nymph at the Stream.”—“The Fair Maid of Perth.”—“Beatrice, a Roman Girl.”—“The Blue Bell.” Bust of a Scotch peasant girl.
 Wood, M.—“The Song of the Shirt.”
 Woolner, F., R.A., London.—“Ophelia.” Marble.

Class 4.—Architectural Drawings and Models.

Aitchison, G., B.A., F.R.I.B.A., London.—Decoration of large Drawingroom and Boudoir (executed for T. E. Smith, Esq., M.P.). Decoration of Second-floor Bedroom, Drawingroom, and Boudoir (executed for F. Lehmann, Esq.).
 Barry, C., F.S.A., F.R.I.B.A., London.—Burlington House. Dulwich College—views of various portions. Design submitted in competition in 1859 for new Foreign Offices.
 Boreham, F., A.R.I.B.A., London.—View of the Aged Pilgrims' Asylum, Hornsey Rise.
 Brandon, D., F.R.I.B.A., London.—Marlborough Club House. Junior Carlton Club House—north and south view. Hemsted Manor, Kent. Taverham Hall, Norfolk. Lytchett Heath, Dorset. Corn Exchange and Public Rooms, Aylesbury.
 Brooks, J., F.R.I.B.A., London.—Side Chapel, St. Chad, Haggerstone. Church of Annunciation, Chislehurst, Kent. Church of Ascension, Lavender Hill. Schools of St. Michael, with Convent and Hospital, Shoreditch. Chapel of the Convent of St. Mary-at-ye-cross, Shoreditch.
 Cameron and Elliott, London.—Decorative oil painting—“The Rent Day.” Stained glass designs—“Adoration of the Magi; Presentation in the Temple.” “Transfiguration.” “Four Apostles.” “Domestic Window, for Billiard-room.”
 Champneys, B., London.—Two successful “Competition Designs for the New Literary and Divinity Schools for Cambridge University.” “Competition Design for the New Examination Schools for Oxford.” “New Church of St. Peter-le-Bailly, Oxford.” “New Church of St. Martin, Mayfield, Kent.”
 Clarke, E. T. C., London.—“Holy Trinity Church, Beckenham.” “House at Rotherham, Yorkshire.”
 Clarke, T., F.R.I.B.A., London.—“Perspective View of the Royal Bank of Scotland, Bishopsgate-st. Within.” “Perspective View of 36 and 37 Leadenhall-st.”
 Coe, Hy. E., London.—“First Premiated Design for the Foreign Office, Whitehall, London.”
 Goodman, T., Southend.—“Interior View of the South Porch of the Church, South Benfleet, Essex.”
 Hansard, O., F.R.I.B.A., London.—“Messrs. Marshall and Snellgrove's Premises in Oxford st. and Vere-st., London.”
 Hayward, C. F., F.S.A., F.R.I.B.A., London.—Two views of “Natural Science Schools, Harrow.” “Hunting Lodge, Copeshill, Gloucestershire.” “Grand Pump Room Hotel, Bath.”
 I'Anson, E., F.R.I.B.A., London.—“Perspective View of School Building, erected on site of old Charter House Schools in London.”
 Jackson, T. G., London.—Two views of “New Examination Schools for the University of Oxford.” “New Town Hall, Tipperary, Ireland.”
 James, S. and T., Cardiff.—“Perspective View, in Pen and Ink, of the New Municipal Buildings recently erected at Cardiff.”—“Front Elevation of Design, submitted in competition, for Shakespere Memorial Theatre, Picture Gallery and Library, at Stratford-on-Avon.”
 Jones, H., F.R.I.B.A., London.—Central Meat Market.—Central Poultry and Provision Market.—Billingsgate Fish Market.—Library and Museum in the City of London.
 Lynn, W. H., R.H.A., F.R.I.B.A., Belfast.—“Original Design for proposed new Parliament Houses at Sydney, N.S.W.”
 Pearson, J. L., A.R.A., F.S.A., F.R.I.B.A., London.—“North-east View and Interior of Wentworth Church, Yorkshire.” “South-east View of St. Augustine's Church, Kilburn.” “View of a House in South Wales.” “Interior of Sutton Verry Church, Wiltshire.”

Robins, E. C., F.S.A., F.R.I.B.A., London.—“Design for Leicester Town Hall.”
 Scott, J. O., F.R.I.B.A., London.—“Design submitted in competition for the new Vestry Hall, Kensington.” “The new Greek Church, Bayswater.” “The new Parish Church, Slough, Buckinghamshire.” “Design submitted in Competition for the new Examination Schools for the University of Oxford.”
 Seddon, J. P., F.R.I.B.A., London.—“Interior of Chapel, St. Peter's Orphanage, Isle of Thanet.” “Rood-Screen, Ingham Church, Norfolk.” “University College of Wales, Aberystwith.” “Lambeth Palace Chapel (interior).”
 Smith, T. R., F.R.I.B.A., London.—“Stancliffe.” “Blythwood.” “Brambletye.”
 Sorby, T. C., London.—“The Town Hall, Bromley, Kent.” “The County Court Offices, Barnsley.” “Design submitted for Municipal Buildings, Leicester.”
 Spiers, R. P., F.R.I.B.A., London.—“Schools erected in British-st., Millwall, for the London School Board.” “Memorial Tower erected in Locke Park, Barnsley.”
 Sulman, J., F.R.I.B.A., London.—“Exterior and Interior Perspective of Congregational Church, George-st., Croydon.”
 Tarring and Wilkinson, London.—“Design for Congregational Church, Blackburn, Lancashire.” “Presbyterian Church, Marylebone.” “Messrs. Doulton's Studios, Lambeth.”
 Trevail, S., Par.—“Towey Board Schools, Cornwall.” “St. Ives Board Schools, Cornwall.”
 Taylor, A. J.—“The Angel Choir, Lincoln.”
 Taylor, W. G.—“Design for Window, St. Paul's.”
 Tarver, E. J., F.R.I.B.A., London.—“Design for University Building at Nottingham.”
 Truefitt, G., F.R.I.B.A., London.—“The Tower and Spire of St. George's Church, Tufnell Park.”
 Waterhouse, G., A.R.A., F.R.I.B.A., London.—“Interior and Exterior View of the Natural History Museum, South Kensington.”
 Watson, T. H., F.R.I.B.A., London.—“Church of St. Luke, Deptford.” “Church of St. Mary, Loughton.”
 Whichcord, J., F.S.A., London.—“Premises occupied by the Bank of New Zealand, and the National Safe Deposit Company, London.”—“St. Stephen's Club House, Westminster Bridge.”
 White, W., F.S.A., F.R.I.B.A., London.—Church of St. Mark, Battersea Rise.—Church of St. Peter, Battersea.
 White, W. H., F.R.I.B.A., London.—Four Elevations of New Portions of Chateau de Martinvast, near Cherbourg, France.
 Wyatt, T. H., F.S.A., F.R.I.B.A., London.—View of the Exchange and adjoining Buildings, Liverpool.
 Young, W., London.—Haseley Manor House, Warwick.—Designs for Mansions.

Class 5.—Engravings and Lithographs.

Ballin, A., Brentford.—Four etchings—Battle of Trafalgar.—“Landing at Gravesend of their R.H.H. the Duke and Duchess of Edinburgh.”
 Barlow, T. O., A.R.A., London.—“Her Majesty the Queen, with her Grandchildren, Prince Albert Victor, Prince George, and Princess Victoria of Wales.”—“Prayer.”—“Coming Home.”—“La Gloria.” A Spanish Wake.—“Breakfast in the Highlands.”—“My First Sermon.”—“My Second Sermon.”—“Baron Julius Reuter.”
 Evershed, A., London.—Two etchings—“The Tower of London—The Byward Gate,” and “The Bloody Tower.”—Etching—“On the Thames, Kingston Bridge.”—Ten etchings on the Thames, from nature.
 Heseltine, J. P., London.—Six etchings.
 Lowenstam, L., London.—Three etchings—Portraits of Lord Salisbury, of Lord Derby, and of the late Lord John Russell.
 Montefiore, E. L., Paris.—Frame of etchings—including portrait of Sir Moses Montefiore.
 Severn, W.—“Our Boys.” From a painting by W. Severn. Engraved by J. B. Pratt.
 Simmons, H. W.—“Happy as the Day's Long.”—“The White Cockade.”

The Ordnance Survey Department of Great Britain, Maps and other Documents exhibited by.

Map of part of the city of Winchester, scale 1-500th.
 Map of part of the city of London, scale 5 feet to a mile.
 Map of Southampton and environs, scale 1-2500th.
 Map of part of Hampshire, scale 6 inches to a mile.
 Maps of part of Scotland, in outline, and with hills, one inch scale.
 Portfolio containing specimens of maps of towns, on 1-500th and 5 feet scales.
 Portfolio containing specimens of maps of the cadastral survey, 1-2500th scale, and photographic reductions.
 Portfolio containing specimens of maps, scale 6 inches to a mile.
 Portfolio containing specimens of maps, on the scale of 1 inch to the mile.

PHOTOZINCOGRAPHS.

Domesday Book (in separate counties), 33 vols.
 National MSS. of England, complete in 4 parts.
 National MSS. of Scotland, parts II., III.
 National MSS. of Ireland, parts I., II.
 Anglo-Saxon MSS., part I.

Magna Charta.

National Covenant of Scotland.

This exhibit was presented to the Public Library of Victoria at the close of the Exhibition.

Class 12.—Photographic Proofs and Apparatus.

Brightman, E., Bristol.—Group of photographs.

Heath, V., London.—"Elder Brethren, Burnham Beeches."—"Summer, Burnham Beeches."—"Windsor Castle, from the Thames."—"Horse Chestnut Tree." The Thames, at Cookham.—"The Old Manor House, Stoke Park."—"The Queen's Deodara—The Stopes, Windsor Castle."—"A Peep into Fairy Land, Burnham Beeches."—"Scotch Fir, Kentchurch Court."—"Blaven, from Scour-na-Gillea, Isle of Skye."—"Great Scots Fir, Inverary."—"Marscow, Isle of Skye."—"Ben-Venue and the Trossachs."—"Glen Shira, Inverary."—"Study of an Elm, Stoke Park."—"The Vale of Festiniog, North Wales."

Wortley, Lieut.-Colonel H. S., London.—(Instantaneous Photographs on Dry Plates. Artistic Studies from Nature) "The Hill Side."—"Caernarvon Castle."—"Sea-side Studies."—"What are the Wild Waves Saying?"—"Gathering Wraic."—"What are Hopes but Gleams of Brightness?"—"Clouds."—"Mademoisella."—"Dolly."—"Ethel."—"Chignita."—"In Maiden Meditation."—"The Stirrup Cup."

BRITISH INDIA.

Class 3.—Sculpture and Die-sinking.

Bengal Sub-Committee.—Painted clay figures, from Krishnagurh.

Gopal Chundra Pal, Calcutta.—Painted clay figures.

Jadunath Pal, Krishnagurh.—Painted clay figures.

Matilal Pal, Krishnagurh.—Two painted clay figures.

Class 12.—Photographic Proofs and Apparatus.

Bourne & Shepherd, Calcutta and Simla.—Albums of photographs of Indian scenery, buildings, and characters.

Phillips, R., Darjeeling.—Series of photographs, illustrating tea planting and manufacture.

CAPE COLONY, SOUTH AFRICA.

Class 2.—Various Paintings and Drawings.

Bailey & Kerr, Cape Town.—Water-colour paintings of Cape scenery and natives, &c.

Class 5.—Engravings and Lithographs.

Bailey & Kerr, Cape Town.—Chromos and oleographs.

Class 12.—Photographic Proofs and Apparatus.

Bailey & Kerr, Cape Town.—Photographic specimens, cabinet and carte-de-visite size.—Photographs of Cape scenery and natives.

CEYLON.

Class 2.—Various Paintings and Drawings.

Government Agent, Kandy.—Specimens of Kandyan drawings.

Class 3.—Sculpture and Die-sinking.

Fernando, W. A.—Elephant cut out of plumbago.
Delmege, Reid & Co.—Elephant cut out of plumbago.

MAURITIUS.

Class 1.—Oil Paintings.

Desjardins, N.—View of Souillac Bay, view of Tombeau Bay, view of Mahébourg Bay.

Segrais, L. de.—"Inverness Fishmongers."—"Wading the River."—View of Grand River, S.E., Mauritius.—View of Salazie, Reunion Island.

Class 2.—Various Paintings and Drawings.

Descube, A.—Six water-colour paintings, representing Mauritius plants.

Segrais, L. de.—Pastel view of Black River, Mauritius.—Water-colour landscape.—Pencil landscape, Mauritius palm-tree.

Class 5.—Engravings and Lithographs.

Mauritius Steam Printing Co.—Collection of typo-lithographic proofs.

Class 12.—Photographic Proofs and Apparatus.

Moco, S.—Photographs—Views of Mauritius.

STRAITS SETTLEMENTS.

Class 12.—Photographic Proofs and Apparatus.

Government, The Straits Settlements, Singapore.—Photographs, Straits Settlements and Malay Peninsula, by Government photographer.

AUSTRALASIAN COLONIES.

NEW SOUTH WALES.

Class 1.—Oil Paintings.

Banning, C., Sydney.—Landscape painting.
 Boyd, T. H., Sydney.—Oil paintings.
 Carse, J. H., Sydney.—“Bulli Pass.”—“Bulli, from Mount Pleasant.”—“Mount Macedon Swamp, Victoria.”
 Collingridge, A. and G., Ryde.—“Manly Beach, from Shell Bay.”—“Wattles.”—“Sunset,” Ryde.—“Kissing Point, Parramatta.”
 Fielding, T. H., Double Bay.—“On the Dart, Devon.”
 Franklin, F. A., Wollongong.—Oil painting of Sydney Harbour.
 Greenwood, A., Sydney.—“View of West Sydney.”
 Halsted, G. F., Sydney.—“Sydney Harbour, from Vacluse.”
 Hunt, C., Sydney.—“Hyde Park, Sydney.”—“On the Parramatta River.”
 Hunt, Mrs. H. G., Parramatta.—Oil paintings.
 Lowrey, C. C., Grenfell.—“Head of the Killeries.”—“The Song of the Streamlet.”—“Stranded.”—“Ship on Fire.”
 Marshall, C., Sydney.—“Morning after the Gale” (after Meilby).
 Minchin, E. W., Sydney.—“Govett’s Leap.”
 Municipal Council, Sydney.—Oil painting of Her Majesty the Queen.
 Piquenit, W. C., Marrickville.—“Cook’s River, Canterbury, from near Undercliff Bridge.”
 Piquenit, Miss H. V., Marrickville.—“Flowers” (two).
 Rennick, M., Sydney.—Two landscapes of Australian scenery.
 Samuel, Miss L. E., Surrey Hills.—“Salmon Pool” (after Hull).—“Morning after the Gale” (after Meilby).—“Garden Palace, Sydney.”
 Woodehouse, E. B., Campbelltown.—“Prize cattle” (two), by W. Macleod.
 Woolley, Mrs. N. N.—“Early Morning, Ocean side of Manly Beach.”

Class 2.—Various Paintings and Drawings.

Alexander, Miss E. K. N., Sydney.—Two crayon drawings.
 Anderson, R., Woolloomooloo.—Pen-and-ink drawings—“Elizabeth Knighting Drake.”—“The Young Zither-Player.”
 Basham, J., Sydney.—Two crayon drawings.
 Bonnefin, C., Sydney.—Frisain drawings—“Lithgow Valley.”—“Lane Cove River.”—“Crossing the Ford.”—“Forest Scene, Bulli.”
 Booth, M., Wagga.—Paintings on—Satin, cotton-velvet, white moleskin, and paper formulas used in working.
 Boyd, J. H., Sydney.—Paintings in water-colour and Indian ink.
 Chard, Eliz., Sydney.—“Prince Consort and Prince of Wales,” from casts.

Combes, E., C.M.G., M.P., Miller’s Point.—“Outskirts of Breeza Plains.”—“Curl Curl, Manly Beach.”—“Near Barmouth, North Wales.”—“A Bit of Wiltshire” (outdoor sketch).—“Deserted” (Langham sketch).—“Top of the Hill” (Langham sketch).
 Devine, C., Woollahra.—Portrait in water-colours.
 Finlay, H., Scone.—“Valley of the Grose.”—“On the Road to Bulli.”—“Kangaroo Driving.”—“Yarding Kangaroo,” &c.
 Harry, E. J., Ashfield.—Three head studies, in black and white chalks.
 Hern, C. E., Sydney.—Water-colour paintings, viz.:—“Mullion, Cornwall.”—“On the Dart, Devon.”—“Brink of the Falls, Govett’s Leap.”—“Govett’s Gorge, looking towards Valley of Grose.”
 Hoyte, J. C., Sydney.—“Rosa Gully, Watson’s Bay.”—“Mount Egmont, Taranaki, N.Z.”
 Hunt, C., Sydney.—“Cook’s River.”—“Left by the Tide.”
 Hunt, G. H., Parramatta.—Various drawings.
 Hunt, Mrs. G. H., Parramatta.—Water-colours, crayons, paintings on various articles.
 Jackson, A. L., Darlinghurst.—“Fern-trees on Creek at Upper Kurrajong.”
 James, H. A., Sydney.—Specimens of map-drawing and etching, map of Hill End and Tambaroora.
 Levy, Miss F. D., Sydney.—“Manly Beach, Ocean side.”—“Shell Bay, Manly Beach.”
 Lloyd, H. G., Sydney.—Four water-colours.
 Lowrey, C. C., Grenfell.—Two water-colour landscapes.—Etchings—“The Wooing of Henry V.”—“The Parting.”—“The Last Nip.”—“The Violinist.”
 Marshall, J., Sydney.—“Moth,” in water-colours, from nature.
 Municipal Council, Sydney.—Water-colour painting of the Town Hall.
 Newman, J. H., Sydney.—Crayon portrait of Lord Augustus Loftus.
 Rae, J., Sydney.—Water-colour—“Turning the First Sod of New South Wales Railways.”
 Richardson, J. T., Paddington.—“Bell Rock.”—“Merivieve, Bondi.”
 Sayers, J. W., Sydney.—Crayon drawings, viz.:—“Ajax.”—“Bust.”
 Smithers, W. H., Darlinghurst.—“Group of Roses.”—“Yacht Race.”—“Steamer in Gale.”
 Stoddard, Mrs., Woollahra.—Water-colour portrait.
 Working-man’s College, Sydney.—Water-colours and drawings, illustrative of system of study.
 Thorne, C., Darlinghurst.—Crayon drawing.
 Tioshaner, A., Sydney.—Sketches in water-colours for churches and apartments.—Panels for apartments.
 Walker, Miss A. F., Sydney.—Seven groups of flower paintings.—Copy of gold medal.
 Whiting, Miss E. W., Sydney.—Five crayon drawings (three after Landseer).
 Williams, P. E., Sydney.—Crayons—“Fighting Gladiator.”—“Apollo.”—“Bust.”

Class 3.—Sculpture and Die-sinking.

- Levie, A., Albury.—Carved shield, in stone.
 Murray, A., Sydney.—Royal coat-of-arms, carved in Australian beech.
 Salkild, A., Camperdown.—Sculptures in stone.
 Simonetti, A., Sydney.—Statues, life size — "Justice."—"Mercy."—"Minerva."—"Venus of the South."—Busts—"Sir Hercules Robinson," and three others.
 Thorpe, G. S., Camperdown.—Portraits, busts, models, relievos, in marble.
 Wright, W., Sydney.—Modelling in plaster, from life.

Class 4.—Architectural Drawings and Models.

- Coomes, H., Darlington.—Model of a double self-supporting staircase.
 Gordon, C. G. S., Albury.—Plans, sections, and elevation of a theatre.—Full set of drawings for a cottage and villa.
 Hordern, A. and Sons, Sydney.—Picture showing elevation of premises.
 Rowe, T., Sydney.—Elevation of Great Synagogue, Wesleyan College, Stanmore.—Perspective—Sydney Infirmary, &c.
 Working-man's College, Sydney.—Architectural drawings.

Class 5.—Engravings and Lithographs.

- Buckley, Blensum and Co., Sydney.—Frame of stamps, illustrating the progress in stamp-making.
 Collingridge, A. and G., Ryde.—Engravings of New South Wales, and other scenery.

- Reynolds, P. E., Sydney.—Chromo-lithographs.
 Richards, T., Sydney.—Photographs.—Engravings on wood.
 Umpleby, E. C., Balmain.—Lithographic designing.—Drawing on stone.
 Walmsley, J., Petersham.—Two frames, with impressions of engravings.

Class 12.—Photographic Proofs and Apparatus.

- Albury Local Committee.—Photographic views of Albury, with statistics of district.
 Bonney, F., Wilcannia.—Photographs of Wilcannia district.
 Boyd, J. H., Sydney.—Photographs.
 Caspers, Rudolph, Goulburn.—Photographs, enamelled surface.
 Clarence River Group (T. Page, Grafton).—Public buildings in Grafton: School of Arts, Post-office, &c.
 Harrison, Jones and Devlin, Sydney.—Two photographs of business premises.
 Hart and Roux, Newtown.—Phototypes, or photographs in printers' inks.
 Holtermann, B. O., Sydney.—Photographic panorama of Sydney.
 Newman, J. H., Sydney.—Autotype photographs.
 New South Wales Commission.—Panorama of Sydney.—Photographic views of objects of interest in and around Sydney.—Phototypes, &c.
 Paine, J., Waterloo.—Landscape photographs.
 Richards, T.—Collective exhibit of photographs.
 Rustfeldt, E.—Photographs on glass.

NEW ZEALAND.

Class 1.—Oil Paintings.

- Annabell, J., Napier.—Four paintings.
 Brandon, Misses, Wellington.—Paintings on silk.
 Farr, S. C., Christchurch.—Panoramic of Banks Peninsula, 1853.
 Garrard, W., Christchurch.—"St. Kilda, 1857," by G. Winton, F.S.T.
 Geisler, W., Nelson.—Two paintings on porcelain.
 Gibb, J., Christchurch.—Four paintings.
 Gibb, W., Christchurch.—"Akaroa Harbour."—"In the Bush, Little River."
 McKenzie, G., Dunedin.—Four paintings, illustrative of Scottish scenery, by J. D. Moultray.
 Merritt, T. E., Wanganui.—Oil painting.
 Moreton, S. H., Invercargill.—Oil paintings.
 Nairne, C. J., Hawke's Bay.—Terawera, Jube, and Rua Waihia mountains.
 Nicholls, Mrs. A. R., Southbridge, Canterbury.—Four paintings.
 Peel, J., Rangiora, Canterbury.—Two paintings of New Zealand scenery.
 Power, P., Dunedin.—"Water of Leith, near Dunedin."
 Pownall, R. W., Nelson.—"Mount Crusader."—"A Bit of Bush."
 Robin, A. W., Dunedin.—Two paintings from nature, by an amateur.
 Stafford, Mrs., Nelson.—"Lady Jane Gray refusing the Crown."
 Thomson, J. T., F.R.G.S., F.R.S.S.A., Invercargill.—Oil paintings.
 Watkins, W. M. N., Akaroa.—Four paintings.
 Waymouth, Miss E., Invercargill.—Four paintings.

Class 2.—Various Paintings and Drawings.

- Aubrey, C., Invercargill.—Water-colour drawing—"Oyster Fisheries."—Neutral-tint drawing—"Mouth of Wairau."
 Barraud, C. D., Wellington.—Copy of "The New Zealand Graphic."—Four water-colour paintings of New Zealand scenery.

- Barraud, N., Wellington.—"Mount Egmont."
 Boscawen, H., Wellington.—Pen-and-ink drawings on paper and on parchment.
 Brandon, E., Wellington.—Seven water-colour pictures.
 Cane, T., Christchurch.—Four views in water-colours; drawing of the town and harbour of Akaroa.
 Fox, Lady, Rangitikei.—Water-colour—"New Zealand Shrubs and Flowers, from Nature," by Miss King.
 Freeth, C. J., Wellington.—Pencil drawing—"Grace Darling at the Wreck of the 'Forfarshire.'"
 Gapes, W., Canterbury.—Two water-colour drawings of New Zealand scenery.
 Gordon, W., Taranaki.—Pen-and-ink drawing representing study table.
 Grant, T. M., Wellington.—Pen-and-ink drawing.
 Gully, J., Nelson.—Water-colour paintings.
 Halcombe, A. F., Wellington.—Drawing in sepia and pencil, by Mrs. Halcombe—"Town of Fielding."
 Halcombe, Mrs. E., Wellington.—Water-colour—"Lake Rhea, Otago."—Sketches of ferns and trees, by the late W. Swainson, Esq., F.R.S.
 Hamilton, A., Napier.—Three illuminations.
 Harris, Miss E., Nelson.—Twenty-eight water-colours of New Zealand wild flowers and berries.
 Horne, Miss M. W., Auckland.—Water-colour paintings (landscapes, Auckland and Taranaki).
 Hutton, D. C., Dunedin.—Various drawings, chalk and coloured.
 Kesteven, Dr., Wellington.—Sketches of Sydney and suburbs (taken 50 years ago), by Edward Mason.
 Maxwell, Miss, Wellington.—Drawings in water-colour.
 Merritt, C. E., Wanganui.—Water-colour painting.
 Moreton, S. H., Invercargill.—Water-colour painting.
 Muntz, S. H., Nelson.—Three water-colour paintings.

Neville, L., Christchurch.—Three water-colour drawings of New Zealand scenery.
 Nutt, Miss, Dunedin.—Twenty-four water-colour designs of ferns.
 Oliver, J. T., Dunedin.—Drawing of wood-planing machine.
 Palmer, R. G., Foxton.—Water-colour paintings.
 Roscoe, Ada, Dunedin.—Landscapes in water-colours.
 Rowan, Mrs. F. C., Taranaki.—Water-colour drawings.
 Savage, W., Christchurch.—Pen-and-ink drawing, by J. A. Wrigg.
 Sharpe, A., Auckland.—Water-colour picture, representing New Zealand bush—"Entrance of Cadman's Creek."
 Sinclair, G., Dunedin.—Decorative design, part of William Blake's "Mad Song."
 Stuart, Helen, Auckland.—Frame of photographs, painted in water-colours.
 Sturtevant, G., jun., Auckland.—Two water-colour drawings—"Manuka Harbour."—"Waitemata Harbour."
 Temple, E. F., Christchurch.—Three water-colour paintings.
 Tizard, Mrs. E., Thames.—Twenty-four water-colours of New Zealand flowers.
 Willis, A. D., Wanganui.—Water-colour painting, by a crippled Maori boy—"Rangitoto Island."
 Wrigg, H. C. W., Wellington.—Pen-and-ink drawing, by the exhibitor—"Leisure Hours."

Class 3.—Sculpture and Die-sinking.

Bock, W. R., Wellington.—Specimens of die-sinking.
 Jackson, J. W., Wanganui.—Engraving on glass; subject—"Racehorses," by A. Milne.
 Leves and Scott, Dunedin.—Specimen of glass embossing.
 M'Clenahan, R. L., and Co., Christchurch.—Four engravings on plate-glass, by steel point.
 Minister for Native Affairs, The Hon. the.—Bust of the late native chief, Hapuka.
 Munro, G., Dunedin.—Kakanui stone, worked drapery vase.
 Oamaru Stone Co., Oamaru.—Carved stone by L. Godfrey; subject—"Duck and Pukeka," with ferns and creepers.
 Thomson and Co., Dunedin.—Carving in native white marble.

Class 4.—Architectural Drawings and Models.

Burwell, F. W., Invercargill.—Architectural drawings.
 Lamb, R., Napier.—Series of five designs for timber-framed churches, illustrated by six sheets of drawings.

Class 5.—Engravings and Lithographs.

Bock, W. R., Wellington.—Engravings.
 Buchanan, J., F.L.S., Wellington.—Illustrations of grasses and alpine plants of New Zealand, drawn on stone.

Holmes, R. T., Wellington.—Steel plate, with progressive proofs—"Wayside Reverie," from a painting by Gilbert.
 Knowles J., Wellington.—Lithograph—"Native Pah, Wanganui."

Class 12.—Photographic Proofs and Apparatus.

Bartlett, R. H., Auckland.—Views of New Zealand, and portraits.
 Bloch, T., Nelson.—Photographic panorama of Nelson, photographic views and portraits.
 Bothamley, A. T., Wellington.—Photographic views.
 Bragge, J., Wellington.—Photographs.
 Brown, W. E., Nelson.—Photographic views and portraits.
 Burton Brothers, Dunedin.—Photographs of New Zealand scenery.
 Carnell, S., Napier.—Carbon enlargement of the late Sir Donald M'Lean, and shield showing New Zealand natives.
 Chamber of Commerce, Oamaru.—Photographs of the town of Oamaru.
 Cherrill, N. K., Christchurch.—Photographs (ceramic, enamel, carbon, or autotype); also photographs on paper, glass, porcelain, &c.
 Clifford and Morris, Dunedin.—Case cabinet photographs, case carte-de-visite photographs.
 Collie, W., Napier.—Photographs.
 Coporation of Wellington.—Thirty photographs of the principal buildings in the city of Wellington.
 Gibbs, W. B., Wellington.—Portraits and landscape photographs.
 Graham, R., Auckland.—Photographic views, &c., of Wai Wera Hot Springs, Rotomahana, Ohinemutu, and Hot Lakes.
 Hart, Campbell & Co., Queenstown.—Photographic views of lake scenery, Wakatipu district.
 Hart, R., Wellington.—Photograph (from life) of Edward Gibbon Wakefield, with autograph.
 Hemus & Hanna, Auckland.—Case of photographic portraits. Six large framed photographs.
 Hokitika Local Committee, Hokitika.—Photographs of Westland scenery and glaciers.
 "Lyttelton Times." Proprietors of, Christchurch.—Specimens of photo-lithography.
 Nicholas, R. J., Invercargill.—Photographs: portraits and architecture.
 Perkins, W. H., Greymouth.—Photographs.
 Surveyor-General of New Zealand, Wellington.—One hundred photographic views, and photo-lithographs printed by the Survey Department.
 Taylor, J. J., Nelson.—Photographs of scenery, Nelson Province.
 Taylor, J. P., Blenheim.—Artistic and uncommon photographs of New Zealand scenery.
 Travers, W. T. L., F.L.S., Wellington.—Photographs.
 Williams, H., Greymouth.—Photographs.
 Wigglesworth & Binns, Wellington.—Photographs, mezzo-tint portraits.

QUEENSLAND.

Class 1.—Oil Paintings.

Bartley, N., Brisbane.—"Landscape, with Cattle."—"The Opportunity for Elopement."—"Stable Scene," by Woollett, 1856.
 Clarke, J. A., Brisbane.—Original oil painting by exhibitor—"A Bush Scene near Brisbane."
 Diggles, S., Brisbane.—Copy of Raphael's "Transfiguration," painted by exhibitor.
 Ewart, W., Indooroopilly.—"Adam and Eve Finding the Body of Abel."—"A small full-length portrait."—"He Does Not Like It."—Portrait of the late R. Jarrott.
 Queensland Government.—"View of Brisbane," from Bowen-terrace, in oil, by J. A. Clarke.

Class 2.—Various Paintings and Drawings.

Clarke, J. A., Brisbane.—Black and white drawings—illustrations to Brunton Stephens' poems, "Mar-supial Bill," and "Roley-Poley People," published in "Queenslander."
 Hamilton, D. D., Brisbane.—"Petrified Sand."
 Lascelles, F. M., Brisbane.—Seventy engravings of British birds, coloured to nature in water-colours, by exhibitor.

Class 3.—Sculpture and Die-sinking.

National Agricultural and Industrial Association of Queensland, Brisbane.—Silver and bronze prize medals of the Association.

Class 4.—Architectural Drawings and Models.
Eyre, W. M., Toowong.—Architectural drawings.

Class 5.—Engravings and Lithographs.

Clarke, J. A., Brisbane.—“Creek Crossing at Ashgrove,” near Brisbane, original etching.

Lukin, G., Brisbane.—Plan of route of “Queenslander” transcontinental expedition.

Class 12.—Photographic Proofs and Apparatus.

Bartley, N., Brisbane.—“Auld Lang Syne.”—“Heads of the People,” Sydney, 1857.—“Auld Lang Syne”—explorers, pioneers, early colonists, celebrities of Queensland and Australia.—Natives of Brisbane, white, aged three years and seventeen years; coloured, four cabinets in frame.

Botanic Gardens, Brisbane.—Photographs—six (enlarged) of views taken in gardens; enlarged photograph—*Platyserium Hillii*, a new fern.

Favenc, E., Brisbane.—Sketches made on “Queenslander” transcontinental expedition.

M'Laren, C., Brisbane.—Photographic portrait of Dr. Swedenborg.

Municipal Council, Bowen.—Photographic views of Bowen.

Norton, A., M.L.A., Brisbane.—Nine photographic views of Gladstone.

Queensland Government.—Collection of photographs (220), by the late R. Daintree, coloured in oils.

Slater, G., Brisbane.—Photographic copy of Swedenborg's Bible, with annotations.

SOUTH AUSTRALIA.

Class 1.—Oil Paintings.

Crabb, Miss B. A., Adelaide.—“Native Encampment.”

Farr, G. A., Adelaide.—“Old Mates.”—“Fireside Reflections.” By H. J. Johnston.

Gwynne, Miss E. C., Payneham.—“Scene on Huon River, Tasmania.”—“Lake Bourget, Aix-les-Bains, France.”

Hambridge, Miss H., Kensington.—“Evening Lounge in Morocco.”—“South Australian Heather.”

M'Cormac, A., Adelaide.—“The Bushman.”—“S.A. Pioneer.”

Mayfield & Sons, Adelaide.—“The Prince of Wales,” by J. Balfour.

Morgan, Hon. W., Netherby Park.—“Waterfall Gully,” by H. J. Johnston.

Scott, D. W., Alberton.—“Terrier Dogs.”

Shaw, R. H., Adelaide.—“Native Corroboree.”

Singleton, F. C., Adelaide.—“Lady,” by Vanderbank.

Solomon, S., Adelaide.—“Royal Family.”—“Governor of South Australia.”

Wright, Mrs. E. W., Adelaide.—“The Sour Apple,” by A. Rippingille, R.A.

Class 2.—Various Paintings and Drawings.

Bonney, A. E., Adelaide.—Etching—“Seaside Reflections.”

Crabb, Miss B. A., Adelaide.—“Shells and Seaweed.”—“Group of Flowers.”

Hambridge, Miss, Kensington.—“Cherubim,” after Raphael.—“Fanny Kemble.”—“Pride of the Harem.”

Johnson, J. C. F., Adelaide.—Cartoons, &c.

Twopeny, Mrs. R. E. N., Hackney.—“Sydney Harbour.”—“Sydney Exhibition.”

Class 3.—Sculpture and Die-sinking.

Bagalini, A., Kapunda.—Marble statue—“The May Queen.”

Royal Agricultural and Horticultural Society, Adelaide.—Specimen of silver and bronze medals awarded by the Society.

Schmidt, D., Adelaide.—Specimen of engraving and die-sinking.

South Australian Institute, The Board of Governors of.—Prize medal, London Exhibition, 1851, awarded to S.A. wheat-growers.

Class 4.—Architectural Drawings and Models.

Lockwood, J. W., Adelaide.—Architectural drawing, front elevation.

M'Minn, W., Adelaide.—Perspective drawing of exterior of Adelaide University. Perspective drawing of interior of staircase, &c.

TASMANIA.

Class 1.—Oil Paintings.

Archer, J., Panshanger.—Oil painting, by F. L. Pignenit.

Baily, H. H.—Two oil paintings from photographs.

Beauchamp, R. P., Launceston.—“Quamby's Bluff.”—“Cumming's Head, Sunrise.”—“North Esk River.”—“Mount Roland, River Mersey.”

Dodery, W. H., Launceston.—Two oil paintings, by Miss Pignenit.

Douglass, A., M.H.A., Launceston.—Oil painting, by Pignenit.

Fearnley, J., Hobart.—“Hobart in 1856,” by Bull.

Higgs, Miss K., Launceston.—“Tasmanian Scenery, near Stocker's Plains.”

Higgs, J., Chudleigh.—“Mount Claude.”—“Quamby Bluff.”

Hubbard, G., Launceston.—“Tasmanian Flowers,” by Miss Pignenit.

Mechanics' Institute, Launceston.—“Aboriginal Inhabitants of Tasmania,” by J. Dowling.

Moore, J., Latrobe.—“River Forth, Tasmania.”—“River Mersey, Tasmania.”

Class 2.—Various Paintings and Drawings.

Beauchamp, R. P., West Tamar.—Four water-colours of Tasmanian scenery.

Coote, Audley, M.H.A., Hobart.—Plaster bust of William Lanné, the last of the aboriginal male inhabitants of Tasmania.

George, Miss M., Launceston.—Crayon drawings.

Kenworthy, Miss A., Launceston.—Water-colours—Tasmanian flowers and berries.

Meredith, Mrs. L. A., Launceston.—“Mountain Memory,” water-colour painting, on a screen.

Pybus, P.—Pencil drawing—“Tigers.”

Sherwin, Miss E., Launceston.—Four pencil drawings, viz.:—“Mirth.”—“Melancholy.”—“Amy Sherwin.”—Not named.

Whitfield, A., Longford.—Pen-and-ink sketches, &c.

Class 12.—Photographic Proofs and Apparatus.

Anson Brothers, Hobart.—Scenery and portraits.

Bailey, H. H., Hobart.—Portraits.

Burrowes, W., Launceston.—Portraits.

Commissioners for Tasmania, Hobart.—Tasmanian scenery and public buildings.

Commissioners for Tasmania, Launceston.—Tasmanian public buildings and scenery.

Hull, H. M., Hobart.—The last aboriginal woman and man.

King, T. F., Circular Head.—Scenery—Circular Head.

Wherrett & Co., Hobart.—Portraits.

Winter, A., Hobart.—Three glazed frames of portraits.

VICTORIA.

Paintings Exhibited by THE VICTORIAN ACADEMY OF ARTS.

F. B. GIBBES, *Secretary.*

Class 1.—Oil Paintings.

Ball, Miss E., South Yarra. — "Brighton Beach, Hobson's Bay."
 Bugg, R. W. — "Going Free."
 Campbell, M. A., Windsor. — "Caught in a Squall."
 Carter, J., Carlton. — "Fruit" (two).
 Earles, C., South Yarra. — "The Third Day of a Hot Wind." — "Forgotten."
 Ford, W., St. Kilda. — "The Road to Bristol, at Cleve." — "White Flowers." — "By the Wayside." — "On the Banks of the Wandle, Surrey." — "Virginia." — "Gossip at the Farm." — "A Young Bull."
 Mather, J., Melbourne. — "Sunset, Gippsland."
 Parsons, Mrs. G., St. Kilda. — "View near Woodend." — "Entrance to the Mitchell River from Gippsland Lakes." — "View at Loutit Bay."
 Peacock, G., Richmond. — "At Ringwood."
 Richardson, C. D., St. Kilda. — "The Princess." — "After a Shower, Beechworth." — "Fern Bower, Mount Macedon." — "Study of a Head."
 Rielly, H., Windsor. — "Oh! summer land of silence, oh! land of beauty rare, Where solitude lies brooding, o'er hills and valleys fair."
 Rielly, Miss I., Windsor. — "Waterfall, at Macedon."
 Watkins, W. M. N., Carlton. — "Head Waters of the Mathias." — "Teramakau River."
 Webb, A., Geelong. — "Near Randolph's Leap, on the Findhorn, Scotland."
 Wilson, C. V. — "Little Nell."

Class 2.—Water-colours.

Boulton, E. B., Sydney. — "Near Bondi, N.S.W. — Winter."
 Calvert, S., Melbourne. — "Camille." — "Light and Shadow."
 Carter, J., Carlton. — "New Zealand Caw Caw." — "Belladonna Lily." — "Redbreast's Retreat." — "New Caledonian Pigeon."
 Ford, W., St. Kilda. — "A Walk in the Garden." — "The Old Familiar Air."
 Gibbes, F. B., Fitzroy. — "View in Otago, N.Z." — "Point Nepean, Port Phillip Heads." — "Queenscliff Lighthouse."
 Parsons, Mrs. G., St. Kilda. — "Boisdale Plains, Gippsland." — "On the Avon, Gippsland." — "Pomegranates and Grapes." — "View on the Dandenong Road." — "Sketch at Lorne." — "Sketches at Loutit Bay."
 Peacock, G., Richmond. — "Near the Plenty." — "Off the Yan Yean Road." — "On the Plenty."
 Richardson, C. D., St. Kilda. — "Spring, near Dunolly."
 Robertson, A., Hawthorn. — "Boroondara (looking east)."
 Thomson, Mrs. S., St. Kilda. — "View near Bauloupara, New Caledonia." — "View on the Espiritu Santo Coast, West Pacific."
 Webb, T. P., Melbourne. — "The Barwon Falls, Milford Sound."

Class 1.—Oil Paintings.

Arnall and Jackson, Melbourne. — Illuminated border on vellum.
 Ashton, G. R., Carlton. — "Beg! Floss."
 Ashton, J. R., Carlton. — "An Apple Orchard." — "The Sudden Quarrel." — "Louis Buvelôt." — "A Chip of the Old Block." — "Boldest of the Party." — "Hon. W. J. Clarke, M.L.C." — "Marquis of Normanby." — "J. A. Panton, Esq., P.M." — "Checkmate."
 a'Beckett, J. E., Brighton. — "When Sorrow Sleepeth, Wake it not." — "Dr. Bromby." — "The Dean of Melbourne."
 Buvelot, L., Fitzroy. — "Between Tallarook and Yea."
 Coates, Mrs. J., South Yarra. — "Lilies." — "Geraniums."
 Cockshott, Mrs., Balaclava. — "On the Cornice Road." — "On the Roman Campagna." — "Made-moiselle Bardi."
 Davis, W., Carlton. — "Art Relics." — "Babes in the Wood." — "The Secret." — "Harmony."
 Evans, G. R. — (Exhibited by G. Dougharty, Esq.) — "Early Morn at Newlands, Tasmania."
 Flintoff, T., Melbourne. — "R. L. J. Ellery, Esq." — "T. Flintoff." — "The Prince of Wales."
 Foster and Martin, Melbourne. — "Miniature of a Gentleman."
 Fuller, S. P., Brighton. — "The Village Smithy."
 Guerard, E. von, Melbourne. — "Milford Sound, New Zealand." — "Lake Wakatipu, New Zealand." — "Track on the Mitta Mitta, Victoria." — "View on the Mitta Mitta, Victoria."
 Hamilton, Miss G. J. V., Gisborne. — "Scene in Gippsland Ranges."
 Hulme, E., Oxley. — "Camping Ground near Goulburn, in 1854." — "Rush, oh!"
 Lightfoot, T. H., Melbourne. — "An Autumn Evening."
 M'Alpine, T. W., Richmond. — "Dr. Gunst." — "Hon. J. Munro." — "Mr. R. D. Bannister." — "Dr. Cairns." — "Mr. A. Davidson."
 Murcott, T., Richmond. — "Head of an Old Soldier." — "Azalea Geraniums." — "The Pride of our Garden." — "Last Glimpses." — "Corner of a Ladies' Boudoir, Sixteenth Century."
 Nicholson, A., Melbourne. — "Apples." From the round.
 Panton, J. A., Esq., P.M., Melbourne. — "Nanny." Native of Melool tribe, Murray River. — "Eagle Rock,

Angahook." — "Winter at the Acheron Falls, Marysville." — "Menindie Lake, Lower Darling." — "Cadell's First Steamer on the Murray." — "Government Residence, Melbourne, 1837."
 Paterson, J. F., Carlton. — "After Rain." — "December." — "Salmon Fishing."
 Pearson, J. G., Esq., Craigieburn. — "A Calm Evening — Moonrise." — "A Moonlight Study." — "Foggy at Sea." — "Sea and Sky."
 Petrowits, P., Melbourne. — "T. H. Lempriere, Esq." — "H. A. Lowrey, Esq."
 Ramage, A. — "Two Sheep."
 Riddell, Miss A. C., Elsternwick. — "Near Mount Kosciusko." — "Near Creswick."
 Riddell, Miss B. C., Elsternwick. — "Water-pool, Elwood."
 Roberts, T. W., Fitzroy. — "A Study."
 Short, W., Woodend. — "Summer Evening." — "Jack's Creek, Woodend."
 Sommers, J., Castlemaine. — "Portrait," from life.
 Van den Houten, Windsor. — "Melbourne in 1837." — "Batman's First Meeting with Buckley, in 1836."
 Whitehead, I., Melbourne. — "Fernshaw." — "Mount Cook, New Zealand." — "White Pine Forest, West Coast, New Zealand." — "Early Morn, Milford Sound, New Zealand." — "Entrance to Aniti Bay, Milford Sound, New Zealand."
 Wolf, F., Melbourne. — "Sir Samuel Wilson." — "A Child." — "Major J. A. Anderson." — "A Young Lady." — "A. Campbell, Esq." — "Hon. W. Campbell, M.L.C." — "John Wilson, Esq." — "J. B. Were, Esq." — "Joseph Clarke, Esq." — "Miss Ida Wilson."
 Wright, Miss A., South Yarra. — "Herr Plock."

Loan Collection.

Aitken, W., Esq., Melbourne. — "Madonna and Child," Guido. — "Jacob's Return from Bethany." — "Italian Seaport at Sunset," Claude Lorraine. — "Architecture and Landscape," Poussin. — "Landscape and Figures," Tracharilla. — "Landscape and Architecture, with Figures." — "Hunting Scene," Salvator Rosa. — "Beatrice Cenci," copy, by Madame Lerroni. — "Madame Le Brun," Madame Lerroni. — "Roman Peasant" (water-colour), B. Gioja. — "Landscape, with Cattle," K. Voogd. — "Roman Lady, with Sheep" (water-colour), B. Gioja. — "Fruit and Game," Briglia, Conti Alberti. — "Cat and Mouse," Briglia, Conti Alberti. — "Landscape, with Bridge," Salvator Rosa. — "Landscape, with Village," Salvator Rosa.

- Birkmyre, —, Esq.,** South Yarra.—“Lady Diana Vernon,” E. H. Corbould.—“Enid’s Dream,” E. H. Corbould.
- Brown, Mrs. M. M.,** Windsor.—“A Monk’s Head.”
- Charsley, E., Esq.,** Malvern.—“Landscape,” Joseph Vernet.—“Landscape and Figures,” John and Andrew Both.—“Dutch Fair,” Theodore Rombouts.—“Landscape and Figures,” John Wynants and Philip Wouvermans.—“Fête Champêtre,” D. Hals.—“The Plague in Athens,” Peter Van Halen.—“The Old Women and Bowl of Porridge,” Gerard Dow.—“A Burgomaster,” Rembrandt School.—“Christ’s Agony in the Garden,” Sir Benjamin West, F.R.A.—“Landscape and Figures—Procrus and Cephalis,” John (Velvet) Brengel and J. Rottenhamer.—“Allegorical Subject allusive to the life of Mary de Medici” (sketch for the original painting formerly in the Luxembourg), Rubens.—“Still Life,” M. Houdecooter.—“Landscape and Figures,” Rosa da Tivoli.—“Virgin and Child,” Il Sapo Ferrato.—“Battle Piece,” Peter Van der Meulen.—“Battle Piece,” John Van Hugtenberg.—“Brisk Gale,” Simon de Vlieger.—“The Guard-room,” Rembrandt.—“Landscape, and Boy Fishing,” P. P. J. de Louthembourg.—“Landscape and Cattle,” Abraham Begyn.—“Siege,” J. Franck.
- Clarke, Hon. W. J.,** Sunbury.—“The Spanish Armada sailing from Ferrol, the Duke of Medina Sidonia going on board the ‘San Martin’” (water-colour), O. W. Brierley.—“Ships of the Spanish Armada driven on Shore on the Coast of Ireland, September, 1588” (water-colour), O. W. Brierley.
- Dalgely, Blackwood & Co.,** Melbourne.—“Mitherless,” T. G. Cooper.—“Tis Opportunity that Makes the Thief,” T. G. Cooper.
- Dawbin, Mrs. A. M.,** Coburg.—“St. Catherine Vowing Celibacy,” Piëtro da Cartona.
- Dumoulin, G. F., Esq.,** Albert Park.—Two “Hunting Scenes,” Wouvermans.
- Fellows, Rev. W.,** Toorak.—“Cat on Eend, King-slip, Middlesex” (water-colour), R. Mobb.—“Trottiscliffe, Kent” (water-colour), R. Mobb.
- Harrison, Mrs. L.,** Richmond.—“Candlelight” (two), Scholken.
- Heath, R., Esq.,** Hamilton.—“Mastiff,” Herring.—“Farm-yard Scene,” Herring.
- Hume, Mrs. E.,** Hawthorn.—“Drinking Scene,” Jan Miel, 1650.
- King, W. E., Esq.,** St. Kilda.—“H.M. Gunboat ‘Mermaid’ off Cape Banks, December 4th, 1820,” Conrad Martens, from a sketch by Admiral P. P. King.
- Langdon, H. J., & Co.,** Melbourne.—“The Doge of Venice Receiving the Ring of St. Mark,” copy by J. G. Lorenzi, from Bordon.
- Larnach, —, Esq.,** Fitzroy.—“A Grey Evening on the Cornish Coast,” Charles Smith.
- Lightfoot, T. H.,** Melbourne.—“The Quarrel,” J. Barry, R.A.
- Lefevre, Dr.,** Melbourne.—“Dr. Johnson at Chesterfield House, G. Catermole.—“An Artist’s Studio,” C. Lees, R.A.—“Roslyn Castle,” W. Bonnor, R.S.A.
- Manton, Miss M.,** Hawthorn.—“Borrowdale, Cumberland,” from Stoddart.
- Martin, J., Esq.,** Melbourne.—“Landscape,” one of the old masters.
- Moulden, E. J., Esq.,** Melbourne.—“Hans von Griffendorf” (on ivory), Lucas Enfgat.
- Newbery, Mrs. J. C.,** St. Kilda.—“Tartana, in the Gulf of Salerno,” G. F. Newbery.
- Schlemm, C., Esq.,** East Melbourne.—“Crown Prince of Prussia,” on ivory.
- Sprigg, W. G., Esq.,** Melbourne.—“Hush! don’t make a noise for fear you wake the baby,” J. T. Nettleship.
- Tishler, A., Esq.,** Brunswick.—Engraving—“The Stoning of Stephen the Martyr,” Marcellus Venustus (from Cornelius Cort, 1576).
- Walduck, W. W., Esq.,** Melbourne.—“Esau Selling his Birthright,” J. Martin, K.L.—“The Sea of Galilee,” J. Martin, K.L.—“Canute and his Courtiers,” J. Martin, K.L.—“Paul and Silas,” E. H. Corbould.—“Joseph’s Dream,” E. H. Corbould.
- Were, J. B., Esq.,** Queen-st.—“The ‘Eolus’ winning a Yacht Race in Plymouth Sound,” O. W. Brierley, 1837.
- Whitby, E. R., Esq.,** Richmond.—“Lord Somers, the First Wigg’d Chancellor,” Sir Godfrey Kneller.
- Class 2.—Water-colours and Drawings of every kind.**
- Ashton, G. R.,** Carlton.—“Death of the Prince Imperial.”—“Victorian Police.”—“Collins-st., Melbourne.”—“Incident during the Zulu War.”
- Ashton, J. R.,** Carlton.—“My Turn Now.”—“Sunset on the Yarra.”—“A Moonlight Walk.”—“View in Fitzroy Gardens.”—“Early Morning on the Yarra.”—“Government House, from the Yarra.”—“Queen’s Wharf.”—“Queen’s Wharf and Falls Bridge.”
- Bannister, Mrs. R. D.,** Carlton.—“Tulips,” “Single Dahlias” (now extinct), both on ivory, from nature, 1820.
- Black, Mrs. J. E.,** Kilcunda.—“Australian Wild Flowers” (three).—“Australian Insects.”
- Buchanan, A. E.,** Lismore.—Six specimens of illuminated lettering of the time of Queen Elizabeth.
- Bull, Miss E.,** Carlton.—“Geraniums.”—“Wild Flowers.”
- Cairnes, E. M.,** Mining Department, Melbourne.—Two pen-and-ink drawings.—“Scene in Cuba.”—“Horse’s Head.” After Landseer.
- Castieau, Miss,** Geelong.—“Native Wild Flowers,” from nature (three).
- Currey, Miss F.,** (Exhibited by Sir Redmond Barry) “An Old Doorway in Brittany.”—“Welsh Miner’s Cottage Window.”—“Spring Flowers.”—“A Welsh Brook.”
- Dalton, Miss H.,** Stawell.—“Victorian Wild Flowers,” from the Grampian Ranges.
- Davis, W.,** Carlton.—Design for stained glass window.
- Franks, J.,** Geelong.—“Flowers,” from nature (two).
- Greene, Miss Cora,** — Designs for fans—“Blossom of Ironbark Gum.”—“Hardenbergia Clematis.”—“Sydney Wild Flowers.”—“Clematis (Victorian Wild).”
- Harper, C.,** Melbourne.—“Flowers,” from nature.
- Hume, Mrs. E.,** Hawthorn.—“H.M.S. ‘Blanche’ in a Gale.”—“P. and O. S.S. ‘Malta,’ off Fort Macquarie, Sydney.”
- Langton, Miss A.,** Fitzroy.—“Flowers,” from nature.
- Lightfoot, T. H.,** Melbourne.—“Summer’s Evening, Wales,” from nature.—“Mountain Spring (Morning), Wales,” from nature.
- Mackenzie, C. R.,** East Melbourne.—Specimens of illuminated lettering, &c.
- Murcott, T.,** Richmond.—“Lynmouth, North Devon.”—“By the River.”—“In spots of sunny openings, and with nooks to lie and read in, sloping into brooks.”
- Peebles, Miss Eva,** Jolimont.—“Flowers” on silk (two).—“Australian Wild Flowers.”—“Wreath of Flowers.” All from nature.
- Purves, Miss C. F.,** — Design for a fan—“Roses and Dragon Fly,” on satin.—“Rhododendrons.”—“Flame Flowers, and others.”—“White Carnations.”
- Roper, T. T.,** Sandhurst.—Pen-and-ink drawing—“Pavilion of the Star of Hope, Tong Chow.”
- Rowan, Mrs. F. C.,** Macedon.—Fire-screen—“Australian Wild Flowers.”—Four panels—“Various Lillies.”—Three panels—“Various Flowers” (all on satin).—Group of 10 frames—“Wild Flowers.”
- Russell, R.,** East Melbourne.—“Views of Melbourne at Different Periods.”
- Sale Borough Council,** — “Redbank, River Avon, North Gippsland,” Alfred Bock.—“On the Albert River, South Gippsland,” Alfred Bock.
- Sasse, Miss S. E.,** Geelong.—“Flowers,” from nature.
- Sasse, Miss M. B.,** Geelong.—“Maiden-hair Fern,” from nature.
- Scales, Mrs. J. A.,** — “South Australian Wild Flowers.”—“Victorian Wild Flowers” (two).
- Watkins, Mrs. F.,** Stawell.—Frame of thirteen specimens flower-painting.
- Watson, Mrs. S.,** St. Kilda.—Twelve hand-painted table d’oyleys.
- Weedon, W.,** Carlton.—Design for a ceiling.
- Yuck Sun,** — Miniatures of a gentleman, lady, and child. All on ivory.

HERALDIC PAINTING.

- Harper, C., Melbourne.—“The ‘Normanby’ Arms.”
—“The Earl of Mt. Edgecomb’s Arms.”
Stevenson, T., Melbourne.—“The ‘Normanby’ Arms,” and other specimens of armorial painting, monograms, &c. (in oils).

PORCELAIN PAINTING.

- Brush, Miss G., St. Kilda.—“Toilet Ornament.”—
“Cup and Saucer.”—“Flowers,” in frame.—“Toilet Ornament.”—“The Poachers.”—“The Dancing Lesson.”—“Lilies.”—“Plaque.”—“Saucer.”
Guillod, Miss, London.—Two panels—“Cloth of Gold Roses,” “Maiden’s Blush Roses.”—Two plates—“Daisies and Buttercups,” “Bluebells and Cowslips.”
Murcott, T., Melbourne.—Glass case, with various specimens of work.—One panel, of three tiles.
Nicholson, Lady.—Plaque—“First Primroses.”
Parker, Miss, Alma-road.—One medallion, with photo. of boy.

CRAYONS.

- Blanche, H. B., Melbourne.—“Hon. W. J. Clarke.”
Himen, J. J., Hotham.—Life studies—“Head of a Boy.”—“Head of a Man.”
M’Alpine, C. A., Richmond.—“Dr. Gillbee.”—“Dr. Burke.”
Martin, Miss L.—“Girl and Child.”
Thunder, Mrs. A., St. Kilda.—“Forget Me Not.”
—“Study from Life.”—“Madonna and Child.”

PENCIL.

- Smith, B., Mansfield.—Eight outline sketches.

Class 3.—Sculpture and Die-sinking.

- Altmann, E. A., Melbourne.—Dies, medals, and chased cup.
Candy, W., Fitzroy.—Two terra-cotta garden ornaments, on pedestal, in freestone.—Church font, in freestone.
Mathieson, A., Coleraine.—Three stone pictures of native scenery, cut out of the solid by A. Priest.—Samples of the rough stone attached.
Phillips, W., Carlton.—“Sleeping Infant.”—“Cross Entwined with Flowers” (marble).
Summers, A., Newbridge.—Reversible medallion, in marble.
Teale, G., Prahran.—Roman cameo—“The Toilet of Venus” (loan).
Twentyman, G., Windsor.—Specimens of seal-engraving on gems, and wax impressions from same.

Class 4.—Architectural Drawings and Models.

- Bolger, J. L., Carlton.—“Model of Scots’ Church, Melbourne” (cardboard).
Bolger, H., Carlton.—Cardboard models State-school, Ballarat.—The same, in framed timber, for mining district.
Clarke, J. J., Melbourne.—Designs in perspective for Town Hall, Emerald Hill.—Free Library, Sydney.—Royal Arcade, Melbourne.
Dattari, P., Fitzroy.—“Design for a Theatre.”
Egan, M., Melbourne.—“Design for Adelaide University.”—“Designs, in perspective, for Adelaide Government Offices.”—“Colonial Bank, Melbourne.”—“New Prince’s Bridge, Melbourne.”—“Bird’s-eye View of New Government Offices, Melbourne.”
Fitzpatrick, Rev. Dr., Melbourne.—“Perspective View of St. Patrick’s R.C. Cathedral, Melbourne.” W. W. Wardell, architect.
Henderson & Smart, Melbourne.—Nine “Designs for Residences,” &c.—“Perspective Designs for Adelaide University, and for Colonial Bank, Melbourne.”
Melbourne Harbour Trust.—“Plans of the Proposed Harbour Works at Melbourne, by Sir John Coode.”
M’Gowan & Son, Carlton.—“Model in Plaster of St. Patrick’s R.C. Cathedral, Melbourne.”
Niven, F. C., Ballarat.—“Principal Façade, Palais du Commerce de Lyons.”
Nulty, Rev. C.—“St. Francis Xavier College, Kew” (perspective). T. A. Kelly, architect.
Pritchard, W., Melbourne.—Perspective “Designs, with Plans and Sections, for Melbourne International Exhibition.”—“Design for Colonial Bank, Melbourne.”

- Taylor, Lloyd, Melbourne.—“Design for Melbourne International Exhibition” (perspective).

Class 5.—Engravings and Lithographs.

- Ashton, G. R., Carlton.—Proof—Three portraits drawn on stone.
Baird, J., Emerald Hill.—Illuminated original poem to Princess of Wales.
Bartlett, Mrs. S., Richmond.—Specimen of writing, by J. Meeks, being a condensed history of Victoria to 1860.
Bruce, R., Windsor.—Two frames of specimens of wood engraving.
Calvert, S., Melbourne.—Proof specimens of the art of drawing and engraving on wood, with samples of the wood used.
Connor, Miss J., Geelong.—Special collection—four frames of statistics, book of same, and one illumination.
Clarke, Hon. W. J., Sunbury.—Illuminated address.
Evans, F. W. T., Fitzroy.—Illuminated address.
Gourlay, Mrs. J., Emerald Hill.—Ornamental writing.
Hamel & Ferguson, Melbourne.—Specimens of illuminated addresses.—Lithographic tint printing.—Chromo-lithography.—Lithographic portraits, black and tint.—Litho. map of Riverina, coloured.
Ivy, T. J., Hawthorn.—Illuminated address.
Jenny, R., Melbourne.—Proofs of engravings on wood.
Massina & Co., Melbourne.—Chromo-typography.
Noone, J., Melbourne.—Specimens of photo-lithographic plans, and description of same.
Troedel & Co., Melbourne.—Specimens of lithography.
Watson, A. J., Prahran.—Specimen of lithography, original designs; and litho. stone from which it was printed.

Class 11.—General Application of the Arts of Drawing and Modelling.

- Peppercorn, J. R., Hawthorn.—Modelled group for centre of a conservatory, fish basin.
Perugia & Son, Melbourne.—Busts—“Clytie.”—“Prince of Wales.”—“Princess of Wales.”—“Duke of Edinburgh.”—“Duchess of Edinburgh.”—Statuettes—“Apollo Belvidere.”—“Diana.”—Statues—“Madonna,” painted and gilt.—“The Conception,” painted and gilt.—“St. Joseph.”—“The Saviour.”
Schlemm, C., East Melbourne.—Bust in bronze—“Emperor of Germany” (loan).
Scurry, J., Melbourne.—Busts of late “Judge Fellows” and “Charles Summers.”—Design of “Lion,” for entrance door, and for a “Fountain.”
Scurry, Wm., jun., North Fitzroy.—Bust of “David Willis,” from life.—“Diomedes.” Copy from antique.—Ornamental architectural panel. Original design.—Masks and scrolls, from the antique.
Summers, A., Newbridge.—Three medallions.

Class 12.—Photographic Proofs and Apparatus.

- Ararat, Shire of.—Fifteen local views and statistics.
Ararat, Borough of.—Fifteen local views and statistics.
Bennett, Mrs. W. W., South Yarra.—Two specimens of colouring photographs in water-colours.
Brennand, J. R., Prahran.—Seven portraits—specimens of mezzo-tints, mezzo-crayon, and crayon-tint.
Browne, J. E., Fitzroy.—Group of seventeen large and small portraits.
Brunswick, Borough of.—Fifteen local views.
Caire, N. J., Melbourne.—Portrait—“Lily,” and five others.—Two frames of forest scenery, Victoria.
Clunes, Borough of.—Nine views local scenery and statistics.
Cornell, F., Sale.—Thirty-six views Gippsland scenery.
Commissioners for Victoria.—Six views in Dandenong State Forest.—Three views of Melbourne.
Connor, Miss J., Geelong.—Frame of portraits—“Winchelsea Shire Council.” (Part of special collection in Class 5.)

Emerald Hill, Borough of.—Twelve local views.
 Footscray, Borough of.—Twenty-one local views.
 Fitzroy, City of.—Twenty-three local views.
 Foster & Martin, Melbourne.—Twenty-four portraits.
 Grant & Cameron, Melbourne.—View of monster eucalyptus—"The Grizzly Giant."
 Geelong, Town of.—Local views, with statistics and portraits of Council.
 Hamilton, Borough of.—Twelve local views.
 Johnstone, O'Shanassy & Co., Melbourne.—Coloured portraits, in different styles.
 Kruger, F., Geelong.—"Panoramic View of Geelong and Suburbs."
 Lindt, J. W., Melbourne.—Twenty-seven portraits—Native portraits and scenery.
 Marong, Shire of.—Fourteen local views.
 Metcalfe, Shire of.—Fourteen local views and statistics.
 M'Donald, D., St. Kilda.—Sixteen country views.

Nettleton, C., Carlton.—Forty views in town and country.
 Price, T., Melbourne.—Seven coloured photos., in frame.
 Portland, Borough of.—Eleven local views.
 Paterson Brothers, Carlton.—Portraits and scenery.
 Sale, Borough of.—Twelve local views and statistics.—Two frames of coloured wild flowers. A. Bock.
 Stawell, Shire of.—Twenty-four local views.
 Sandridge, Borough of.—Twenty local views and statistics.
 Swan Hill, Shire of.—Fourteen local views.
 Taylor, A. E., Windsor.—Specimens of the art of colouring photos. in water-colour.
 Tuttle and Co., Melbourne.—Forty-two plain and three coloured portraits.
 Wollamai and Phillip Island, Shire of.—Twelve local views.
 Warrnambool, Town of.—Twelve local views.

EXHIBITS BY THE SCHOOLS OF DESIGN IN VARIOUS PARTS OF THE COLONY OF VICTORIA.

Ballarat East School.—Architectural panel, crayon, from the round. A. E. Curnow.—Do. do. do. M. G. Duffy.—Oil painting—"Holly," from nature. M. M. Tye.—"Head," crayon. Miss C. M. Toy.—"Jug," do. do.—"Pelargonium," water-colour, do., from nature.—"Pansies," do. do. do.
 Ballarat West School.—Crayon, from the round. Bertha Wedel.—Water-colour—"Fruit." Jeannie M'Gavin.—Crayon, from the round. A. Doepel.—Do. do. do.—Do. Corinthian capital. W. Brimblecomb.
 Bendigo.—Water-colour—"Fuchsias," from nature. Miss Palmer.—Illuminated letters. D. Mendell.—Crayon, from the round. Miss A. E. Craven.—Architectural drawing—"Part of Façade, Palais du Luxembourg." R. J. Flowerday.
 Carlton School.—Illuminated letter, in oils. H. Weedow.—Geometrical design from Australian leaves and flowers. H. Weedow.
 Collingwood School.—Architectural design—"Universal State College." B. W. Tapner.—Do. do.—"Anglican Church." B. W. Tapner.—Mechanical design for "A Drilling Machine." F. J. Rawlings.—Crayon, from the round—"Gothic capital." W. Merriott.
 Clunes School.—Crayon—"Mares and Foals." J. G. Dickson.—Do. "Flowers." Miss Kempson.—Do. do. do.
 Fitzroy School.—Crayon—"W. S. Lyster," from a photo. G. J. James.—Crayon—"Head." G. J. James.—Do.—"Acanthus Leaf," from the round. W. J. Moore.

Footscray School.—Pencil landscape.—Crayon—"Flower Girl."—Do.—"Alpine Flowers."
 Geelong School.—Water-colour—"Wild Flowers," from nature. M. M. Sasse.—Do. do. do. S. E. Sasse.
 Hawthorn School.—Crayon—"The Startled Duck." A. Middlecoat.
 Hotham School.—Crayon—"Vases," from the round. F. R. Longland.—Do—"Acanthus Leaf," do. F. C. Lording.—Crayon, from the round—Ionic capital. T. Burrell.—Do. do—"Laocoon." J. Himen.—Do—"Flowers." Miss E. Spencer.—Do. do. do.
 Prahran School.—Architectural drawing, in water-colour—"Llandaff Cathedral." Robert Owen.—Water-colour—"A Glimpse of Sunlight in Winter in the Wanden Ranges," from nature. A. Izett Watson.—Oil painting—"Zingara." Josephine Muntz.
 Richmond School.—Crayon—"A Staghound's Head." G. H. Bosch.—Do.—"Dignity and Impudence." C. Holgate.
 South Richmond School.—Water-colour—"Flowers," from nature. S. Frobisher.—Crayon—"Oak Wreath," from the round. S. Frobisher.—Do.—"Tree," from nature. S. Frobisher.—Illuminated writing. H. Altmann.—"Burke and Wills," crayon, from the round (front view). F. H. Barnard.—Do. do. do. do. (back view). F. H. Barnard.
 Talbot School.—Crayon—"The Peony." Fred. Foster.—Geometrical design, 250 different problems (linear drawing). Fred. Foster.

WESTERN AUSTRALIA.

Class 1.—Oil Paintings.

Princep, H. C., Howick-st., Perth, Western Australia.—"A Tale of Southern Seas."

Class 2.—Various Paintings and Drawings.

Rowan, Mrs., Mount Macedon, Victoria.—Water-colour paintings of groups of the wild flowers of Western Australia.

Class 12.—Photographic Proofs and Apparatus. Government of Western Australia, The.—Collection of photographic views of Western Australia.

Public Works Department.—Photograph of railway bridge over the Swan River at Fremantle.

Survey Department, Perth.—Specimens of photolithographs executed in the Government photolithographic establishment, Perth.

UNITED STATES OF AMERICA.

Class 1.—Oil Paintings.

Barker, J. S.—Caligraphy on ivory, &c.
Weber, P. C.—Oil painting.

Class 3.—Sculpture and Die-sinking.

Merryweather, G., New York City.—Three medals relating to Captain James Cook and discovery and settlement of Australia.

Class 4.—Architectural Drawings and Models.

Edgemore Iron Co., Wilmington. — Photographs, drawings, &c., of bridge work.

Class 5.—Engravings and Lithographs.

American Bank Note Co., New York City.—Steel-plate engraving.

Currier & Ives, New York City.—Coloured lithographs.

Forbes Lithographic Manufacturing Co., Boston.—Albertype engravings and coloured label work.

Lockwood, H., New York City.—Engravings and lithographs.

Prang, L., & Co., Boston.—Chromo-lithographs as art publications.

Class 12.—Photographic Proofs and Apparatus.

Bradley & Rulofson, San Francisco.—Photographic and crayon portraits.

Gubleman, T., Jersey City.—Photographs.

Taber, —, San Francisco.—Photographic portraits.

Tuttle & Co., San Francisco.—Plain and coloured photographs.

Watkins, C. E., San Francisco.—Photographs of Yosemite Valley.

GENERAL CATALOGUE.

AUSTRO-HUNGARIAN EXHIBITS.

Class 6.—Education of Children, Primary Instruction, Instruction of Adults.

Eichler, J., Vienna.—Primary drawing-school and colour slates. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Class 7.—Organisation and Appliances for Secondary Instruction.

Fric, V., Prague.—Imitations of precious stones in finest strass. (As above.)

Jansky, C., Tabor.—Wall-charts for schools, in various languages. (As above.)

Class 8.—Organisation, Methods, and Appliances for Superior Instruction.

Schmitt, H. I., Vienna.—Musical studies and compositions, writings relating to music instruction plans. (As above.)

Class 9.—Printing, Books.

Austro-Hungarian Art Chronicle.—“Austro-Hungarian Art Chronicle,” “Hand Lexicon.” (As above.)

Karafiát, F., Brünn.—Hogarth's Works. (As above.)

Vernay, J. N., Vienna.—Catalogue of the Austrian Department of the Melbourne Exhibition. (As above.)

Class 10.—Stationery, Bookbinding, Painting and Drawing Materials.

Denk, H., Vienna.—Letters, monograms, &c., for printing on writing paper. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Eichmann und Co., Arnau.—Paper samples. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Ellissen, Roder und Co., Theresienthal.—Paper. (As above.)

Fialkowski Gebrüder und Twerdy, Bielitz.—Printing, writing, and coloured papers. (See Advt., page xviii.) (As above.)

Hardtmuth, L., und Co., Bohemia.—Pencils. (As above.)

Joint-Stock Co. of the I. R. Privileged Paper Manufactory, Schlöglmühl.—Paper. (As above.)

Kink, M., und Co., Vienna.—Rotation printing paper, white paper, and a variety of coloured. (As above.)

Kraft, E., und Sohn, Vienna.—Drawing instruments. By appointment, furnisher to the Imperial Royal Academies, Engineering-offices, Observatories, &c. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Neusiedl Share Co. for the Manufacture of Paper, Vienna.—Writing, coloured, and printing paper. Manufactories in Vienna, Klein-Neusiedl, Franzensthal, Wiener-Herberg, and Petersdorf. Contractors to the Indian and other Governments. Awarded five prizes at the Melbourne International Exhibition. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Pentl's, F., Sohne, Gras.—Fancy papers and covers. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Ruhmann, A., Vienna.—Printing paper, and a variety of other sorts. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Collins-street West, Melbourne.)

Schmied's Sohne, Gr. Ullersdorf.—Paper. (As above.)

Theyer und Hardtmuth, Vienna.—Writing paper and envelopes; post-cards, in various designs; fancy papers, papier-maché works, coats-of-arms, and all other branches of artistic paper designs. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Weiss, C. und W., Prague.—Pattern-book with pattern sheets of paper. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Class 12.—Photographic Proofs and Apparatus.

Just, Dr. E. A., Vienna.—Photographical tableau. (As above.)

Ortolani, J. B., Trieste.—Photographs. (As above.)

Popovitz, L., Marchegg.—A photograph of the dissectible and transportable field railway station, called “Glorine.” (As above.)

Class 13.—Musical Instruments.

Barak, F., Bohemia.—Eufonion, double-bass trombone, tenor trombone, trumpet, and cornet. (As above.)

Bosendorfer, L., Vienna.—Pianofortes. (As above.)

Breinl, A. R., Graslitz.—Clapping-trumpets, trumpets, wooden clarionets, hunting and post horns for children. Largest manufactory of the kind. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Diener, J., Graslitz.—Violins, with bows, in cases. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Editing of “The Cithernist,” Komotau.—The cithernist; a cithern, and cithern strings. (As above.)

Fiehn, H., Vienna.—“Ocarina,” and the necessary notes for schools. (As above.)

Fuchs, D., Vienna.—Metal wind instruments. (As above.)

Hoffmann, C., Vienna.—Two “diminutive pianos,” latest invention; the shortest pianos on the Continent. Furnisher to the Imp. Royal Court. Through manufacturing on the most extensive scale, these grand pianos can now be supplied even cheaper than cottage pianos. Prizes awarded at M.I.E. and all other Exhibitions. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West.

Holz, Vienna.—Two pianos. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Huttl, A. K., Graslitz.—Musical instruments. (As above.)

Kiendl, A., Vienna.—Twenty citherns, resounding play-tables, strings, and cithern notes. Proprietor, Dr. A. Muck. First established manufactory. Only high-classed instruments are turned out. Awarded First Order of Merit (Silver Medal) M.I.E. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Kirchner Gebrüder, Vienna.—Two citherns, fitted out in cases. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Lutz, A. und Co., Vienna.—Violins, citherns, guitars, flutes, clarionets, trumpets, signal-horns, organs, harmonicas. Awarded six medals and prizes at M.I.E. Manufacturers, on an extended scale, of instruments of every description up to high-classed ones. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Oeser, F., Vienna.—Piano. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Placht, W., und Co., Vienna.—Musical instruments, and a variety of strings. (As above.)

Riedl, W., Graslitz.—Musical instruments. (As above.)

Thie, W., Vienna.—Mouth harmonicas. (As above.)

Tomschik, M. P., und Sohn, Brunn.—Musical instruments. (As above.)

Trade Union of the City and District of Steyr, Upper Austria.—Jew's harps. (As above.)

Trimmel und Zettl, Vienna.—Collection of harmonicas and a melodion. (As above.)

Uhlmann, L., Vienna.—Musical wind instruments of wood and metal. (As above.)

Class 14.—Medicine, Hygiene, and Public Relief.

Hruschka, J., Innsbruck.—Collodion teeth, and an apparatus for setting teeth straight. (As above.)

Odelga, J., Vienna.—Surgical instruments, bandages, medical dressing materials. (As above.)

Pochtler, C., Vienna.—Soda-water machines, syphons, and syringes. (As above.)

Reiner, H., Vienna.—Medical and surgical instruments and apparatus. (As above.)

Class 15.—Mathematical and Philosophical Instruments.

Kappeller, H., Vienna.—Thermometers for sanitary purposes. (As above.)

Class 16.—Maps, and Geographical Apparatus.

Artaria und Co., Vienna.—Scheda's general map of Europe, in 25 sheets; world chart of discoveries of Mayer and Luksch. (As above.)

I. R. Geological Institution of the Empire, Vienna.—Geological map of the Austro-Hungarian monarchy, in chromo-lithography. (As above.)

Class 17.—Cheap and Fancy Furniture.

Eissler, J., und Sohne, Vienna.—Chairs, stools, towel-rail, swings, sofas; all manufactured of massive bent wood. (As above.)

Fischel, D. G., und Sohne, Nimes.—Furniture of massive bent wood. First established manufactory. Prizes awarded at every Exhibition. First quality is exclusively manufactured on the different premises. Upwards of 5000 workmen are constantly employed, turning out weekly about 20,000 pieces of furniture, consisting of chairs, armchairs, settees, couches, beds, rockers, tables, and all the other varieties of this fashionable kind of furniture. Branches and agencies all over the world. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Frankl, I., Vienna.—Diningroom furniture set. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Gruning, H., Vienna.—Furniture for exporting. (As above.)

Knill, J., Vienna.—Two billiard-tables, after the English system, with all necessities. Furnisher by appointment to the Imperial Royal Court. Tables made in every fashion. Plates exclusively of marble. Cabinet manufactory. Prize awarded M.I.E. Sole agent: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Kohn, J. und J., Vienna.—Furniture of massive bent wood. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Kolischer, M. W., Vienna.—Wood-spring mattresses. (As above.)

Kramer, D., Vienna.—Two diningroom suites. (As above.)

Ludwig, B., J., und R., Vienna.—Boudoir furniture. (As above.)

Radinger, L., Vienna.—Luxury and general furniture of oak wood, &c., carved and inlaid. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Riby, C. A., Mariano.—Forty different chairs. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Thonet Gebruder, Vienna.—Furniture of solid bent wood. (As above.)

Zizulad Gebruder, Vienna.—Billiard-table, with holes and marble plate; and turnable card and play tables. By appointment furnisher to the Imp. Royal Court. All kinds of tables and cabinets. Tables of all sizes made of one plate of white Carrara marble. Awarded at M.I.E. Manufacturers of parts of tables wholesale, and furnisher to other table manufactories. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Class 18.—Upholsterers' and Decorators' Work.

Behnfeld, F., und Sohn, Vienna.—Venetian blinds, rollable window mats. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Dollinger, J., und Sohn, Stocerau.—Tableau of washed gold and polished ledges. (As above.)

Drachsler, C., Vienna.—Ten frames with fringes, wood carvings. (As above.)

Richter, E. A., Vienna.—Commenced, finished, and mounted embroideries, and female hand-work in general. (As above.)

Scheidl, A., Vienna.—Frames and patterns of washed gold ledges, finished four-cornered and oval frames. (As above.)

Spatz und Stubberger, Vienna.—Pictures with frames. (As above.)

Class 19.—Crystal, Glass, and Stained Glass.

Czech, A. L., und Co., Haida.—Luxury articles of hollow glass. (As above.)

Drobnik, C., Haida.—Bohemian glassware. (As above.)

Harrach, Count, Neuwelt.—Glassware, miscellaneous articles for use, fancy and ornamental glass sets, table service. (As above.)

Hegenbarth's, A., Erben, Haida.—Finest hollow glassware, as vases, candlesticks, table sets, &c. (As above.)

Hosch, C., Haida.—Chandeliers and sconces of crystal, cut and engraved. Bronze-mounted glass and crystal fancy goods. **Gold Medal at M.I.E.** Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Koretz, A., Vienna.—Looking-glasses and oil paintings in gold frames. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Lazarus und Rosenfeld, Gablonz.—Glassware, coloured, ornamented, crystal, and engraved. (The representation of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Meltzer, C., und Co., Langenau.—Crystal drinking set, decorated vases and chandeliers, petroleum lamps, balls and tu'ips. (As above.)

Muhlhaus, J., und Co., Haida.—Glassware, coloured, ornamental, crystal, and engraved. (As above.)

Muller, H., Ulrichsthal-Meistersdorf.—Glassware. (As above.)

Pallme, F., Konig und Co., Steinschönau.—Cut, engraved, and decorated crystal glass (Beistry); decorated coloured line-glass. (As above.)

Pfeiffer und Co., Gablonz upon Neisse.—Cards with samples of glass pearls, smelling bottles, &c. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Rachmann Gebruder, Langenau.—Chemists' utensils of glass and porcelain, flower-pots, flower-vases, and all sorts of luxury glass. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Reich, S., und Co., Vienna.—Glassware, and articles for lamps. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Sheinost, A., Haida, Bohemia.—Collection of Bohemian decorated glass articles. (As above.)

Schreiber, J., und Neffen, Vienna.—Rich collection of all sorts of coloured glass of modern glass industry, decorated in various manners. Manufactories at: Gr. Ullersdorf, St. Stefan, St. Sidonia, Josefthal, Karlsenthal, Jaronowitz, Heinrichshutte in Austria, and Furstenberg in Germany; turning out upwards of 20,000 tons glass p. a. Special studios and laboratories for the purpose of continual improvements in manufacturing, refining, and artistic execution. Awarded **Gold Medal** at M.I.E. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Ullrich, H., Vienna.—Glassware. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Wagner, F., Meistersdorf.—Glass articles for everyday use, and fancy glass articles combined with gilt bronze. (As above.)

Ziegler, E., Vienna.—Looking-glasses, in gilt frames. (As above.)

Class 20.—Pottery.

Anger, A. C., Aich.—Table, coffee, and tea sets; toilet sets, articles for general use and of luxury, photographed on porcelain. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Haas und Czjzek, Schlaggenwald.—Table, coffee, tea, toilet, and smoking sets, flower-pots, &c., colours and gold. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Lauer, L., Znaim.—Cooking utensils for general use. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Mascha, W. und C., Prague.—"Terazzo plates," for paving floors and covering walls. (As above.)

Porcelain & Coal Industrial Association, Elbogen.—Porcelain articles. (As above.)

Radler und Pilz, Vienna.—Porcelain objects of art in old Viennese style, a variety of majolicas. (As above.)

Wahliss, E., Vienna.—Objects for general use and of luxury, porcelain, majolica, and faience. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Zsolnay, W., Fünfkirchen.—Wedgwood and artistic ceramic articles. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Zasche, Josef, Vienna.—M.A.S.—Porcelain objects of art in old Viennese style, painted and enamelled; solely own originals. Awarded at M.I.E. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Class 21.—Carpets, Tapestry, and other Stuffs for Furniture.

Giani, C., Vienna.—Patterns of furniture stuff and embroideries, and openly exhibited theatrical costumes. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Class 22.—Paperhangings.

Sporlin und Zimmermann, Vienna.—Tapestry wall decoration, tapestries, and patterns of coloured papers. Awarded **Silver Medal** at M.I.E. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Class 23.—Cutlery.

Bachmann, W., und Co., Vienna.—Knives, forks, and spoons, in all varieties. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Knives Industry Export Co., Wsetin.—Pocket and kitchen knives. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Schartinger, M., Steyr.—Knives, forks, and pen-knives. (As above.)

Stierhofer, A., Steyr.—Fine knives and forks. (As above.)

Trade Union of the City and District of Steyr, Upper Austria.—Common, ordinary, and fine cutlery. (As above.)

Class 24.—Goldsmiths' and Silversmiths' Work.

Berndorfer Metallwarrenfabrik (Schoeller und Co.), Vienna.—Silvered and non-silvered table utensils. (As above.)

Hermann, J. L., Vienna.—Alpaca and electro-silver plate wares. (As above.)

Neustadt, H. M., Prague.—Bohemian garnet jewellery. (As above.)

Pinschof, C., Vienna.—Garnets, from the manufactory of Messrs. Goldschmidt and Sons, Prague. (As above.)

Samek Bruder, Vienna.—Gold and silver fancy articles. (As above.)

Class 25.—Bronzes and various Art Castings.

Bohm, A., Vienna.—Bronze-ware. (As above.)

Krauliz, M., Vienna.—Photograph frames, bronze trinkets, fancy ornaments. (As above.)

Lerl, G., und Sohne, Vienna.—Bronze fancy-ware and photograph frames. (As above.)

Mraz und Ressel, Holeschowitz.—Gold leaf and silver, brocades and bronze colours. (As above.)

Rohlich und Ponninger, Vienna.—Bronze bust of Francis Joseph I., Emperor of Austria, after model of the sculptor Victor Tilgner, Vienna. (As above.)

Class 26.—Clocks and Watches.

Lazarus und Rosenfeld, Gablonz.—Clocks in wooden, marble, and ebony cases; Bohemian glass ornaments. (As above.)

Schlesinger, A., Vienna.—Pendulum clocks. (As above.)

Class 27.—Apparatus and Processes for Heating and Lighting.

Puntschert, J., und Sohn, Vienna.—Coffee and tea machines; egg-codlers, and lanterns. (As above.)

Reich, S., und Co.—Lamps. (As above.)

Class 28.—Perfumery.

Atanascovits, M., Vienna.—Oriental soaps. (As above.)

Calderara und Bankmann, Vienna.—Glycerine and toilet soaps, sweet scented essences, and cosmetic perfumery. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Diedek's, A. C., Sohn, Vienna.—Soaps and perfumes. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Demartini, J., Prague.—Toilet soaps and articles of perfumery. (As above.)

Hirschler, M., Buda-Pesth.—Water of the Francis Joseph Bitter Spring, and spring products. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Losser Gebruder, Pesth.—Ofner Rákóczy bitter water and Rákóczy spring salt, in several sizes. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Mattoni, H., Vienna.—Giesshübel alkaline, acidulous spring water, pastilles, and imperial salt. (As above.)

Mattoni und Wille, Buda-Pesth.—Royal Hungarian bitter water. (As above.)

Neschitsch, N., Vienna.—Toilet soaps, I. & R. exclusively privileged "Oriental hair and beard dye," and perfumes. (As above.)

Rix, A., Vienna.—Rix's rose toilet soap, renowned for good odour and keeping long. (As above.)

Sedlitzky, Dr. W., Salzburg.—Mother-water salt, patented from the Imp. Roy. Salines at Hallein, for baths at home in every season. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Taussig, G., Vienna.—Toilet soaps and perfumes. (As above.)

Treu, Nuglisch und Co., Vienna.—Perfumes and soaps. By appointment furnisher to the Imp. Royal Court. **Silver Medal** at M.I.E. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Ulbrich, A.—Püllna bitter water—the spring known as “Bohemia’s Treasure.” (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Class 29.—Leather-work, Fancy Articles, and Basket-work.

Archleb, J., Dobruska.—Forcing-pump; cask-taps of wood, mounted in metal; further samples of pipe-tubes and mouthpieces. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Christ, F. A., Vienna.—Meerschaum and amber articles, agriot pipes and cigar-holders; wood pipes and cigar-holders. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Fried, S. und Co., Vienna.—Mother-of-pearl buttons and other articles of turnery. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Glaser, H., Vienna.—Mechanical and self-igniting pocket tinder-boxes and table tinder-boxes, tobacco-boxes, &c. (As above.)

Hiess, F. und Sohn, Vienna.—Pipes and cigar-holders of meerschaum and amber, pipe-stems and amber ornaments. By appointment furnisher to the Imp. Royal Court of Austro-Hungary. **Silver Medal** at M.I.E., and medals at all I.E.; medal for improvement; Gold Cross of Merit, and Knight Cross of the I.R. Austrian Order of Francis Joseph. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Honig, J., Vienna.—Mass pipes. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Hrauda, M., Vienna.—Amber articles. (As above.)

Janeczka, E., Vienna.—Wood fancy articles. (As above.)

Klein, A., Vienna.—Leather and bronze fancy articles and trinkets. The most important manufactory of these articles; first quality of goods exclusively manufactured. By special appointment both furnisher and purveyor to H.M. the Emperor of Austria; to H.R.H. the Prince of Wales; to the Kings of Spain, Portugal, and Bavaria; Prince of Servia, Duke of Brunswick. **Silver Medal** at M.I.E. Branch stores at Paris, Boulevard de Capucines 6; and London, 75 Wimpole-street W. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Reif, J., Prague.—Ornaments and trinkets of Bohemian gems, rock crystal set in buffalo-horn and ivory. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Rueff, A. und Co., Old Ehrenberg, near Rumburg, Bohemia.—Wicker-work, plaiting, weaving, hats. (As above.)

Schreiber, A., Vienna.—Brushes. (As above.)

Sternberg, Count L., Tyrol.—Ladies’ and men’s fine needles; white knitting-needles, enamelled knitting-needles. (As above.)

Traub und Co., Vienna.—Fancy wood articles and fans. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Trebitsch, A., Vienna.—Tobacco-pipes and cigar-holders of meerschaum, amber and meerschaum paste. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Ziebicker, W. M., Vienna.—Fans. (As above.)

Class 30.—Cotton Thread and Fabrics.

Abeles, L., Vienna.—Cotton yarn and thread, linen and cotton articles. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Anderl, J., Vienna.—Fine cotton stuffs, fashioned curtain muslins, crape tissé, vapeur, ajour-moll, batiste. (As above.)

Frohlich’s, G. A. Sohn, Vienna.—Smooth cotton velvets, printed and pressed cotton velvets, cotton trouser stuff. (As above.)

Goldberger, S. F. und Sohne, Altofen.—Fifty pieces of differently printed smooth cotton stuffs. (As above.)

Krenek, F. und Sohne, Frankstadt.—Piqué cottons, damask linen, pattern collection, piece of damask. (As above.)

Parma, J., Tichau.—Piqué goods, made by hand and machinery; own bleaching and dressing. (As above.)

Reiss, A., Vienna.—Patterns of printed cottons. (As above.)

Richter, I. und Sohne, Niedergrund.—Cotton velvets. (As above.)

Steinbrecher, A. und F., Vienna.—Raw cottons, kalmuks, and chappe silk. Mills and factory at M. Trubau. Awarded at Sydney I.E. first prize **Silver Medal** and M.I.E. Upwards of 500 workmen are continually employed, and the mills are furnished with all the latest improvements for day and night work (by electric light). Proprietor, Auton Steinbrecher, Esq., Carresp, member of Chamber of Commerce of Brünn, juror at European exhibitions, &c. Export to all parts of the world, especially to Turkey, Egypt, Arabia, China, &c. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Thiele, H. C. und Co., Warnsdorf.—Pattern-book of cotton and half-wool. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Class 31.—Thread and Fabrics of Flax, Hemp, &c.

Berger, E., Freudenthal.—Thirty to forty tablecloths and tea-napkins. (As above.)

Klinger, H., Vienna.—Linen goods, especially for technical and military purposes; tablecloths, sail canvas. Manufactories: Vienna, Buda-Pesth, Brünn, Zwittau. Sole furnisher and contractor to the Austro-Hungarian marine, and to the Austro-Hungarian Lloyd at Trieste, for sheet canvas, linen carpets, linen dress and shirts, &c., material; furnisher for hospitals, schools, military establishments, gaols, &c.; patent on sail sheets freed of all gelatinous stuffs, and thereby proof against widening. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Siegl, C. sen., Moravian-Schönberg.—Linen goods. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Siegl, J. und Co., Moravian-Schönberg.—Linen goods. (As above.)

Class 33.—Woollen Yarn and Fabrics.

Bauer und Wiedmann, Brünn.—Collection of patterns of woollen stuffs in a pattern-book. (As above.)

Chamber of Commerce and Trade, Brünn.—Collection of patterns of cloth manufactures from the district of the chamber. (As above.)

Forster, C. T. und Sohne, Bielitz.—Pieces of cloth. (As above.)

Jacob, A., Reichenberg, Vienna.—Several pieces of cloth. (As above.)

Liebig, F., Reichenberg.—Printed and embroidered shawls and cloths, thibets and cashmeres, jute and linen stuffs, Orleans cloths, &c. Imperial Royal Privileged. Branches: Vienna, Prague, Pesth, Graz, Brünn, Moscow (Russia), and Dewsbury (in England). Largest establishments of the line in Europe. First awards at all I.E., as Melbourne and Sydney I.E. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Popper, L., und Co., Brünn.—Collection of fine cloths and fashionable stuffs, in two pattern-books. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Samek Bruder, Brünn.—Woollen stuffs. (As above.)

Class 34.—Silk and Silk Fabrics.

Share Co. of the Floret Silk-Spinning Factory, "Sagrado," Sagrado.—Sample collection of yarns and silk wastes. (As above.)

Class 35.—Shawls.

Daubek's, T., Sohn, Vienna.—Chenille shawls, table and bed covers, furniture stuff and carpets. (As above.)

Class 36.—Lace, Net, Embroidery, and Trim-mings.

Bollarth, F., Vienna.—Lace. By appointment furnisher to the Imp. Royal Court. Manufactories: Vienna, Carlsbad, Gottesgab. Gold and silver medals at every I.E., as at Melbourne and Sydney I.E. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Brunfaut, A. de, Vienna.—Embroideries and weavings of glass, fancy articles, glass wool. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders street West, Melbourne.)

Dalhof, T. und F., Vienna.—Art embroideries, as models for art-embroidering schools and decorations. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders street West, Melbourne.)

Fritsch, J., Gossengrün.—Pocket handkerchiefs, fans, collars, lace, and bouquets. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Hansler, L., Vienna.—Crochet purses. (As above.)

Meinl's, A., Erben, Vienna.—Embroideries and dyed piqué-covers. (As above.)

Radinger, L., Vienna.—Laces, insertions, lace collars, cuffs, &c.; all hand-make. First Prize, Silver Medal. Branch business in Melbourne: 27 Little Flinders-street West.

Schack, A. W., Vienna.—Album of corporismetry, for ladies' dressmaking. (As above.)

Stramitzer, J., Vienna.—Lace and lace articles. (As above.)

Class 37.—Hosiery and Underclothing, and Accessories of Clothing.

Dannhauser Bruder, Innsbruck.—Underclothing for ladies and gentlemen, shirts, collars, waistcoats, undershirts. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Fogl, E., Vienna.—Collection of mercery for the army and navy. (As above.)

Joachim und Ehrlich, Vienna.—Ladies' and gentlemen's underclothing, collars and cuffs, stays; linen dresses. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Krehan, I., Vienna.—Mother-of-pearl buttons. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Mayer, A., und Co., Vienna.—Mother-of-pearl buttons. (As above.)

Rasch, J., Vienna.—Gallows, garters, and elastic caoutchouc ribbons. (As above.)

Salcher, M., und Sohne, Vienna.—Buttons of stuff, stone nut (carozzo), and metal. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Weldler und Budie, Vienna.—Ladies' and gentlemen's mercery. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Class 38.—Clothing for both Sexes.

Beer, S., Vienna.—Ladies' and gentlemen's shoes. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Budischowsky und Co., Prossnitz.—Shoes and boots. (As above.)

Dewidels, S., Prague.—Lambskin gloves. (As above.)

Falk, A., und Co., Vienna.—Shoes. (As above.)

Floh, F., Vienna.—Gentlemen's shoes and boots. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Glasel, A., Sillein.—Coat of "Halena" cloth, to be worn on both sides, without a seam. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Gorich, H., Vienna.—Shoe-uppers, shoe-bows, and shoe-lackcaps. (As above.)

Hessl, A., Vienna.—Leather gloves of the finest lamb leather. (As above.)

Joint - Stock Vienna Shoeware Manu-factory (Central Establishment, Vienna).—Shoes and boots. Largest establishment of the world, 5,000,000 pairs being turned out annually. Branches: Graz, Trebitsch, Triesch, Adler, Kosteletz, Dobruska, Saar, Ramenitz, Schuttenhofen, Wlasim. Gold and silver medal at every I.E., as at Melbourne and Sydney I.E. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Krausz und Lackenbacher, Vienna.—Shoes. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Kubik, J. N., Stuhlweissenburg.—Gloves and bandages. (As above.)

Logemann, F., Vienna.—Gloves. (As above.)

Lowenstein, A. R., Vienna.—Morning shoes for ladies and gentlemen, slippers, promenade shoes. (As above.)

Mandl, M. und J., Vienna.—Men's and boys' clothing. (As above.)

Opletal, J., Vienna.—Ladies' boots and shoes. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Schwarzmann, D., und Co., Vienna.—Clothes for men and children. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Skrivan, J., und Sohn, Vienna.—All sorts of ladies', gentlemen's, and children's hats. (As above.)

Stiasny, F. und M., Vienna.—Gloves. (As above.)

Strakosch, B., Vienna.—Shoes. (As above.)

Tedesko, L., und Co., Vienna.—Clothes for gentlemen and boys. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Weiss, R., Vienna.—Gloves. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Class 39.—Jewellery and Precious Stones.

Bolzani, J., Fils, Stein on Danube.—Ball-chains of all metals, key-rings for watch-chains, necklaces in loose condition. (As above.)

Podiebrad, H., Prague.—Gold and silver jewels; garnet jewellery in original designs and highest execution. Awarded at M.I.E. and at the I.E. 1862, 1867, 1873, 1878. Branches: Vienna, and regularly at the Fair at Leipzig. Established 1806. Present proprietor, H. Pohl, Esq., M.H.P.F. Sole agent for Australasia: L. Radinger, 27 Little Flinders-street West, Melbourne.

Class 41.—Travelling Apparatus and Camp Equipage.

Schittenhelm's, K., Sohn, Vienna.—Trunks. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Class 43.—Products of the Cultivation of Forests and of the Trades appertaining thereto.

Grossmann, M., und Co., Vienna.—Veneers (As above.)

Gunzl, L., Vienna.—Walking-sticks. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Landau, F., Tretschkadorf.—Wood boxes. (As above.)

Leistler, C., Vienna.—Floor panels of wood. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Ludwig, A., Vienna.—Walking-sticks. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Nagl, J., und Mattich, Vienna.—Various sticks. (As above.)

Saxl, M., Boskowitz.—Three pyramids of wooden boxes, each containing 14 sorts, besides oval little boxes dyed red. (As above.)

Class 46.—Chemical & Pharmaceutical Products.

Bittner, J., Reichenau.—Conifer spirit-spreading apparatus and pharmaceutical preparations. (As above.)

Brichta, J., Buda-Pesth.—Juniper berries, juniper oil, juniper brandy. (As above.)

Carlo Sell, Pirano, Istrien.—Chemical products, and potato starch. (As above.)

Haball, J., Vienna.—Licorice-juice. (As above.)

Hafner, J., Agram.—Hygienic mouth preparation tooth-powder, called "Odontes Megma," for preserving teeth. (As above.)

Herbert, F. P., Klagenfurt.—Whitelead (ceruse). Imp. Royal Privileged. Manufactories: Klagenfurt, Wolfsberg, Lavis. Awarded the first prizes at every I.E. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Hochstetter und Co., Vienna.—Ceresine and paraffin. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Lindheim und Co., Vienna.—Oxide of zinc, snow-white; oxide of zinc, Nos. 1 and 2, fine grey, grey of Breslavia. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Match Manufactory, Deutsch-Landsberg.—Imitation of matches. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Meissner's, M., Sohne, Vienna.—Pictures representing a steamboat and an engine. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Offenheim, Ziffer und Co., Elbeteinitz.—Mineral wax, white and yellow wax goods, ozokerite, paraffin, bleached carnaube, &c. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Pollack, J., Vienna.—Essential oils, essences, colours, fruit essences. (As above.)

Pfeffermann, Dr. P., Vienna.—Toothpaste. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Samuely, D., Brünn.—Prussiate of potassium and iron. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Schlesinger, J., und Sohne, Trenesin.—Potash. (As above.)

Soap Manufacturing Co., Vienna.—Stearine acid, elaine acid, stearine candles, glycerine, Apollo soap, butter, eatable fat. Branches: Trieste, Buda-Pesth, Prague, Brünn, Graz, Linz. Gold Medal at M.I.E., and first prizes at every I.E. Largest establishment on the Continent, over 2500 workmen being continually employed. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Wagenmann, G., Vienna.—Mineral wax (ozokerite), refined; wax candles and wreath tapers, bleached carnauba wax. First prizes at Melbourne and Sydney I.E., and all other I.E. The manufactory turns out about 2500 tons of mineral wax, besides the other kinds of products in this line of manufacture. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Wenzel, F., und Co., Kaiserswald, Silesia.—Matches (imitations). (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Wilhelm, F., Neunkirchen.—Wilhelm's anti-arthritis and anti-rheumatism tea, Wilhelm's Schneebergers syrup, &c. (As above.)

Wilhelm, F., und Co., Vienna.—Austrian products and chemicals, ethereal oils, herbs, mine products, various drugs. Gold medals at the Melbourne and Sydney I.E., and at London, 1862, Moscow, 1872, Vienna, 1873, Philadelphia, 1876, Paris, 1878. In the different branches of the firm there are continually employed about 300 people. Manufacture of pharmaceutical preparations. An especial branch is established for exportation, provided continually with large depôts of such pharmac and chemical products and stuffs, for which Austria is either the sole or eventually the most favoured producer and furnisher, so as to ensure to foreign correspondents always a safe address where to get from when desired. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Zornlaib, B., Temesvár.—Fever ether, a substitute for quinine and pine-needle oil, distilled in the Zips-Carpathian Mountains. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Class 48.—Leather and Skins.

Eckstein, H. M., Lieben.—Glove leather. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Foges, J., Vienna.—Leather. (As above.)

Grunfeld, M., Brünn.—Leather. (As above.)

Kratzer, J. J., Vienna.—Finished leather. (As above.)

Neuner, C., Trieste.—Horse harness and harness parts. (As above.)

Weiss, B., und Sohn, Vienna.—Various sorts of leather for boots and shoes. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Welponer, A., Vienna.—Blackened and brown calf and cow skins. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Class 49.—Agricultural Implements and Processes used in the Cultivation of Fields and Forests.

Ganz und Co., Buda-Pesth.—Grist mills. (As above.)

Trade Union of the City and District of Steyr, Upper Austria.—Sickles, scythes, and straw knives. (As above.)

Wertheim, F., Vienna.—Scythes and tools. (As above.)

Winkler's, C., Sohne, Vienna.—Scythes. (As above.)

Zappert und Thomas, Vienna.—Scythes, sickles, and straw knives. (As above.)

Class 50.—Apparatus and Processes used in Agricultural Works, and in Works for the Preparation of Food.

Nemelka, L., Simmering.—Grinding roll-loom, with three hart rolls lying one above the other. (As above.)

Class 51.—Apparatus used in Chemistry, Pharmacy, and Tanning.

Lenoir und Forster, Vienna.—Prospects and photographic tableaux for furnishing chemical and physical laboratories. (As above.)

Class 52.—Machines and Apparatus in general.

Bartelmus, A., und Witte, Brünn.—Kitchen and household utensils of enamelled sheet-iron. (As above.)

Bollinger, F., Vienna.—Several cooling apparatuses, freezing-machines, and tap-tables. **Silver Medal** at M.I.E. Contractor for field hospitals, ambulances, &c.; only high-classed chests are manufactured, to keep the ice for at least forty-eight hours. Furnisher to the Russian and Turkish armies in the wars from 1876 till 1879. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Bucher, L., New Pesth.—Patent corn-balances, patent oats-crushing normal apparatus. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Florenz, J., Vienna.—Balance, with sand; and a decimal table balance. (As above.)

Haardt und Co., Vienna.—Tinned and enamelled cooking utensils. (As above.)

Quereser, F., Linz-upon-Danube.—Tinned baking, jelly, pudding, and croquant forms. (As above.)

Class 56.—Apparatus and Processes for Sewing and for Making-up Clothing.

Rast, A. und Co., Vienna.—Sewing-machine, Singer system. (As above.)

Schultheis, C., Vienna.—Sack-sewing machine. (As above.)

Class 59.—Machines, Instruments, and Processes used in various Works.

Lang, F., Steinbach-on-the-Steier.—Brush, as they formerly had to be added to all steel-ware orders for the East. (As above.)

Loysch, A., Pielach.—Collection of tack patterns. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Machanek, J. C. und Co., Moravia.—Variety of tacks and nails. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Osterberger, —, Steyr.—Common shear knives. (As above.)

Schartner, G., Steyr.—Common and middling shear knives. (As above.)

Schubnigg, M., Steyr.—Common files. (As above.)

Sonnleitner, G., Steyr.—Common files. (As above.)

Stigler, J., Steyr.—Common files. (As above.)

Trade Union of the City and District of Steyr, Upper Austria.—Common files, so-called Turkish bundle-files. (As above.)

Weiss, J. und Sohn, Vienna.—Tools for joiners, machine manufactories, carriage-makers, coopers, book-printers, bookbinders, &c. (As above.)

Werndl, F., Steyr.—Wire. (As above.)

Wertheim, F. und Co., Vienna.—Five safes, safe against fire and burglars, elegantly fitted with chased steel treasures. (As above.)

Class 60.—Carriages and Wheelwrights' Work.

Armbruster, S., Vienna.—Carriages—one mylord, one phaeton, one duke. By appointment furnisher to the Imp. Royal Court of Austro-Hungary. Awarded first prizes and medals: Paris, 1878, Philadelphia, 1876, Vienna, 1873, Paris, 1867; also awarded twice at M.I.E. 1880. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Keller, C., Lemberg.—Perambulators. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Lohner, J. und Co., Vienna.—Two-seated, half-covered phaeton; glass landau. By appointment furnisher to the Imp. Royal Court of Austria. Manufactories at Vienna and Neu-Leopold; wheel manufactory; special establishment for ambulance; carriages of every description for campaigns and expeditions; provision-waggon, &c., with all fittings for explorations. Two awards at M.I.E., and medals at every other I.E. Continually new designs, and every improvement used. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Schustala und Co., Nesselndorf.—Phaetons, half-covered phaeton, two-seated coupé, glass landau. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Weitzer, J., Gras.—One carriage. Imp. Royal Privileged. Awarded at M.I.E., and medals at the other I.E. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Class 67.—Cereals, Farinaceous Products, and Products derived from them.

Basch, L. A., Sohne, Boscowitz.—Malt. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Frankl Bruders, Prague.—Timothy, red, white, and Swedish clover seed. (As above.)

Groag, S., Olmütz.—Malt. (As above.)

Hanna Malt Manufactory, Kremsier.—One table, with a glass stand containing malt. (As above.)

Malt Manufacturing Share Co., Raigau.—Malt. (As above.)

Milchspeiser und Katscher, Wischau.—Malt. (As above.)

Noziczka und Umgelter, Brünn.—Malt. (As above.)

Szybalski, F., Moravica.—Galician winter corn, white and red winter and summer wheat. (As above.)

Weiner, J. und Sohne, Vienna.—Natural pressed yeast in powder form (preserved), two qualities. (As above.)

Class 68.—Bread and Pastry.

Schreiber, G., Gras.—Biscuits. (As above.)

Class 69.—Fatty Substances used as Food. Milk and Eggs.

Berg, S., Cracovia.—Eggs, preserved in various manners. (As above.)

Topich, A., Lissa.—Sardines in oil, anchovies in oil, salted sombres in oil. (As above.)

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Pischinger, L., Vienna.—Sugar fancy articles, sweetmeats, dragées, and chocolate. (As above.)

Ripka, M. J. und Co., Brünn.—Sugar. (As above.)

Tschinkel, A., Sohne, Schöfeld.—Sugar-ware, chocolate, and candied fruit. (As above.)

Valerio, A., Trieste.—Chocolate and cocoa. (As above.)

Class 73.—Fermented Drinks.

Abeles, H., Vienna.—Hungarian wines. (As above.)

Bartholonich, A. und Sohn, Esseg.—Slibowitz, in bottles. (As above.)

Bauer, L. W. und Sohn, Vienna.—Liqueurs, maag bitters, alcohol, raspberry juice, &c. By appointment furnishers to the Imp. Royal Court. Four first and two second awards at M.I.E. Manufactory established 1828. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders street West, Melbourne.

Chamrath und Luzatto, Vienna.—Wines. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Dojmi de Delupis, Dr. L., Chevalier in Lissa, Dalmatia.—Rakia and chrysanthemum cinerariæ-folium (insect powder). (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Dreher, A., Klein-Schwechat.—Beer. (As above.)

Frankl, A. und Sohne, Biala.—Collection of fine liqueurs and spirits, in bottles alone and in baskets. By appointment furnishers to the Imp. Royal Court. Six first and four second awards at M.I.E. Grand gold medal, Paris, 1879, in competition with the most prominent distillers of liquors of Paris and Bordeaux. Work done by machinery; own distillation

by steam. Branches at Vienna, Paris, Hamburg, Petersburg, Constantinople, Galatz. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Heller, M., Vienna.—Austrian and Hungarian wines, in bottles. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Kleinoscheg Bruder, Graz.—Champagne, red wine, wine of Schmitsberg. (As above.)

"La Ferme," Dobruska.—Spirits, in bottles. (As above.)

Lenard und Laban, Presburg.—Champagne. (As above.)

Lichtwitz, E., und Co., Troppau.—Liqueurs. (As above.)

Luxardo, G., Zara.—Maraschino. (As above.)

Magazzin, M., Zara.—Maraschino, distilled from the so-called "Marascha fruits." (As above.)

Mayer und Sohn, Arad.—Wine, Slibowitz and Hungarian cognac. (As above.)

Millicich, L., Zara.—Liquors and Maraschino. (As above.)

Palugyay, J., und Sohne, Presburg.—Wines. (As above.)

Pokorny, F., Agram.—Apricot spirits, agriots, raspberries, peaches, Reine Claude, and Slibowitz. (As above.)

Reisinger, C., und Sohn, Vienna.—Various Hungarian wines. Branches: Szolnok, Kalksburg, Buda-pesth. Ofner wie Bordeaux, Ruster-Ausbruch, Kadarka, Riesling. The wines exhibited have been grown in the most distinguished wine-growing districts of the Austrian-Hungarian Empire, and have been kept on the premises with the greatest care for years. Particular attention is drawn to the red "Ofner wie (as) Bordeaux." It is produced of genuine Bordeaux vine twigs, which have been transplanted to the mountain of Adelsberg, near Ofen; and the conditions of climate and the quality of soil there being similar to those of Bordeaux, the product is such that in flavour it fully comes up to, and by its richness it even surpasses, most of the best noted Bordeaux brands. The extensive shipments to France, rising from year to year, give the best proof for the above statement. With a view to enlarge and extend the use of the splendid wines of our country, we follow the principle of small profits for a large sale, and accordingly quote our wines as

low as possible, hoping to attain our aim. All wines awarded at M.I.E. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Schadn, J., Vienna.—White and red wines. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Schwartz's, A., Nachfolger, Vienna.—Wine. (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Shenkirk, F., Vienna.—Liqueurs and spirits, and "St. Maria Vegetable Stomach Elixir." Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Sommadosi, G., Vienna.—"Vino Santo." (As above.)

Spitzer, F., und Sohne, Vienna.—Wine. (As above.)

Stampalia, T., Zara.—Rosoglio-Maraschino. (As above.)

Szarvasy, F., Vienna.—Wine. (As above.)

Teutsch, J. B., Schaessburg.—Transylvanian wines and Slibowitz (genuine plum brandy). (As above.)

Tommasich, F., Capo d'Istria.—Vino Santo. (As above.)

Tommaso Stampalia, Zara.—Maraschino. (As above.)

Wieninger's, J. G., Wine Estate Johannesstein, Gumpoldskirchen.—Self-grown Gumpoldskirchen wines, from clean grapes. By appointment furnishers to the Imp. Royal Courts of Austria and the Brazils. Austrian wines grown on his own estate. Awarded at M.I.E. (four), and with first prizes at every I.E. Only high-classed wines grown. Sole agent for Australasia: L. Radinger, Austrian agent, 27 Little Flinders-street West, Melbourne.

Class 82.—Mining and Metallurgy.

Escher, H., Trieste.—Hydraulic St. Andrea Portland cement, F; and 25 barrels of the same cement, mark". (The representative of the Chief Commissioner for Austria: L. Radinger, 27 Little Flinders-street West, Melbourne.)

Pechar, J., Teplitz.—Statistical work concerning the coalfields and iron ores of the whole world. (As above.)

BELGIAN EXHIBITS.

Class 6.—Education of Children, Primary Instruction, Instruction of Adults.

Belot, L. E., Brussels.—School furniture.
Cambier Freres, Ath.—Baby chair for infant schools.
Lebon, L., Brussels.—Books of education.
Ministere de l'Instruction Publique et des Beaux Arts.—Publications, documents, and statistics concerning primary instruction.
Verstraete, C., Ghent.—Books for the education of the deaf and dumb.

Class 7.—Organisation and Appliances for Secondary Instruction.

Ministere de l'Instruction Publique et des Beaux Arts.—Publications, documents, and statistics concerning secondary instruction.

Class 8.—Organisation, Methods, and Appliances for Superior Instruction.

Ministere de l'Instruction Publique et des Beaux Arts.—Publications, documents, statistics concerning superior and professional instruction.
Serrure, E., Architect to the City of St. Nicholas, Waes.—Classical course in architecture.

Class 9.—Printing, Books.

Henderickx, F., Mons.—Printed music.
Katto, J. B., Brussels.—Printed music.

Class 10.—Stationery, Bookbinding, Painting and Drawing Materials.

Biermans, L., Turnhout.—Playing cards.
De Broux et Cie., St. Etienne.—Printing paper.
De Tournay-Catala, Brussels.—Printing and writing paper, straw board.
Pfeffer, J., et Cie., Ghent.—Paper, parchment paper, varnished paper, imitation of leather for bookbinding.
Turner, R. B., Brussels.—Model of india-rubber stamp.
Van Renynghe, A., Poperinghe.—Straw paper and cardboard.

Class 11.—General Application of the Arts of Drawing and Modelling.

Tasson, J., Brussels.—Decorative paintings.

Class 12.—Photographic Proofs and Apparatus.

Baudoux, L., et Cie., Charleroi.—Photographic engravings on white and coloured sheet glass.
Daveluy, V., Bruges.—Photographic views of the principal monuments of Bruges, by the carbon process.
Fourcault, Frison et Cie., Charleroi.—Photographic glass.
Hallez, J., Dinant.—Landscapes of "The Meuse," printed by the carbon process.
Morel, A., Lodelinsart.—Photographic glass.
Stilmant, L. J., Pepinster.—Photographic views.
Verreries des Hamendes (Lambert et Cie.), Jumet.—Photographic glass.
Verreries de Charleroi, Lodelinsart.—Photographic engravings on white and coloured glass.

Class 13.—Musical Instruments.

Berrens, G. A., Antwerp.—Pianos.
Campo Freres, Brussels.—Pianos.
Van Hyfte, B., Ghent.—Pianos.

Class 14.—Medicine, Hygiene, and Public Relief.

Waersegers, J., Antwerp.—Orthopedic apparatus.

Class 15.—Mathematical and Philosophical Instruments.

Mouly, J. V., Brussels.—Anemometer, for gauging winds.

Class 16.—Maps, and Geographical and Cosmographical Apparatus.

Chartographic and Military Institute, Brussels.—Geological and other maps of Belgium.
His Majesty Leopold II., the King of Belgium.—Manuscript chart of Africa, prepared by the Depôt de la Guerre.

Class 17.—Cheap and Fancy Furniture.

Angelroth, G., Namur.—A bedstead with a steel spring mattress.
Arens, A., Antwerp.—Furniture.
Cambier Freres, C. et H., Ath.—Chairs, stool seats.
De Meuter, L., Brussels.—Two sideboards, chairs, tables, stools, toilet glass.
Van Geel, C., Brussels.—Sketch for a royal bedstead.

Class 18.—Upholsterers' and Decorators' Work.

Belot, L. E., Brussels.—Frames, cornice-poles, and hangings.
Brauburger, J., Brussels.—Marble clocks.
Braun, jun., Ghent.—Samples of gilt rods.
Demunter, P., Brussels.—Imitation ancient tapestry.
De Meuter, L., Brussels.—Curtains, hangings, tablecloths.
Omnozez, F., Brussels.—Marble timepieces.
Tasson, J., Brussels.—Imitation of tapestry.
Tasson et Washer, Brussels.—Inlaid floorings.
Wynen, L. J., et Cie., Antwerp.—Paper-weights; pedestals for statues and busts.

Class 19.—Crystal, Glass, and Stained Glass.

Agence Generale de Vente des Glaceries, Brussels.—Glass, rough and polished; thick and thin plate-glass.
Baudoux, L., et Cie., Charleroi.—Window-glass, of various kinds; engraved and coloured sheet glass.
Bivort, H. J., Jumet.—Glass, plain and fancy, of various sizes and weights.
Cristalleries du Val, St. Lambert.—Crystal table service and pharmaceutical glassware, vases, and fancy goods in glass.
Fourcault, Frison et Cie., Charleroi.—Polished, coloured, and mousseline glass.
Mondron, L., Lodelinsart.—Window-glass of all sizes.
Morel, A., Lodelinsart.—Window and other glass, patent glass, free from rust and stain.
Schmidt, Devillez et Cie., Dampremy.—Window, coloured, and mousseline glass.
Societe Anonyme des Verreries de Charleroi, Lodelinsart.—Sheet, ground, and figured glass.
Societe Anonyme des Verreries Nationales de Jumet, Jumet.—Window-glass.
Verreries des Hamendes (Lambert et Cie.), Jumet.—Window, coloured, and engraved glass, &c.
Verreries de Mariemont, Mariemont.—White, coloured, dull, concave, and grooved window-glass.

Class 20.—Pottery.

Boch Freres, La Louviere.—Plates, crockery of all kinds.

Class 21.—Carpets, Tapestry, and other Stuffs for Furniture.

De Meuter, L., Brussels.—Carpets.

Class 25.—Bronzes and various Art Castings and Repousse Work.

Arens, A., Antwerp.—Stamped copper plates.

Class 26.—Clocks and Watches.

Taman, A., Brussels.—Chronometric clock for railway stations, monumental clock.

Class 27.—Apparatus and Processes for Heating and Lighting.

Byl, Fils et Cie., Grammont.—Models of matches.
 De Lairese, C., Liège.—Kitchen and hot-air stoves.
 Hamal-Mouton, Liège.—Portable forges.
 Mouly, F. V., Brussels.—Apparatus for heating apartments, design for warming railway carriages, hothouses and greenhouses, noiseless revolving chimney cowl.

Class 28.—Perfumery.

Dubois-Crepy, Mons.—Samples of toilet soap.
 Haanen, E., Verviers.—Eau-de-Cologne.
 Maubert Soap Co., Brussels.—Glycerine, Windsor, and honey soaps.

Class 29.—Leather-work, Fancy Articles, and Basket-work.

Barth, V., Andenne.—Earthenware pipes.
 Henrard-Cajot, Spa.—Fancy Spa goods.

Class 30.—Cotton Thread and Fabrics.

Guerinckx, Clement, et Cie., "La Dendre Cie.," Termonde.—Cotton, mixed wool and cotton blankets.

Class 31.—Thread and Fabrics of Flax, Hemp, &c.

Druwe et Henderickx, Alost.—Sewing thread, for machine and hand work; knitting thread.
 Eliaert Cools, Alost.—Threads of all descriptions.

Class 33.—Woollen Yarn and Fabrics.

Baerwinckel et Rosenberg, Verviers.—Fancy coatings and trouserings.
 Biolley Freres, Verviers.—Fancy woollen and worsted fabrics.
 Dresse, Piron et Cie., Ensival.—Fancy woollen and worsted fabrics.
 Garot, L. et H., Verviers.—Woollen fabrics.
 Lejeune-Vincent, Dison.—Woollen fabrics.
 Peltzer et Fils, Verviers.—Woollen broadcloth, billiard-cloth, woollen worsted fabrics, and flannels.
 Rolin, H., Fils et Cie., Waes.—Woollen fabrics.
 Sauvage, A. J., Verviers.—Woollen and worsted fabrics.
 Simonis, I., Verviers.—Woollen cloths and billiard cloths.
 Taste, J., Verviers.—Woollen fabrics, flannels, &c.
 Vreede, L. et H., Verviers.—Flannels of all kinds.

Class 35.—Shawls.

Rolin, H., Fils et Cie., Waes.—Shawls.

Class 36.—Lace, Net, Embroidery, and Trim-mings.

Druwe et Henderickx, Alost.—Thread, for lace.
 Montefiore, Levi.—Samples of lace.
 Van Speybrouck, Mdme., Bruges.—Duchesse, Guipure, and Valenciennes lace.

Class 37.—Hosiery and Underclothing, and Accessories of Clothing.

Goossens-Neerman, H., Ghent.—Fancy woollen materials.

Class 38.—Clothing for both Sexes.

Druwe et Henderickx, Alost.—Thread, for bootmakers.
 Pfeffer, J., et Cie., Ghent.—Paper, imitating shagreen and morocco, for hatters.
 Sironval-Paris, Verviers.—Shoes.

Class 40.—Portable Weapons and Hunting and Shooting Equipments.

Ancion, J., et Cie., Liège.—Military rifles, revolvers.
 Bachmann, L., Etterbeek.—Cartridges, compressed bullets.
 Fusnot, C., et Cie., Cureghem.—Cartridges of all kinds.

Pirlot et Fresart, Liège.—Fire-arms.
 Tambour, M., Liège.—Fire-arms of all kinds.

Class 41.—Travelling Apparatus and Camp Equipage.

Cambier Freres, C. et H., Ath.—Folding chairs and camp stools.

Class 42.—Toys.

Turner et Cie., R. B., Brussels.—Skates.

Class 45.—Agricultural Products, not used for Food.

Staes-Sproelants, Termonde.—Colza, radish, and flax-seed oils.
 Taulez-Bottelier, Bruges.—Flax in various forms.

Class 46.—Chemical and Pharmaceutical Products.

Arsenical Water Co., Court St. Etienne.—Arsenical waters.
 Botelberge, G., et Cie., Melle-lez-gand.—Ultramarine blue, green, and violet.
 Declercq-Heer, Antwerp.—Lichen liquor.
 Dupuy, B., Brussels.—Cressine nasitorine (concentrated juice of watercress and lozenges).
 Koch et Reis, Antwerp.—Sulphur, raw, refined, crystallised, &c.
 Lebegge van Paemel, D., Ghent.—Oil, varnishes.
 Manufacture Royale de Bougies d'Anvers (De Roubaix, Oedenkoven et Cie.), Antwerp.—Candles, and materials used in making.
 Manufacture Royale des Bougies de la Cour (De Roubaix, Jenar et Cie.), Brussels.—Candles and stearine.
 Maubert Soap Co., Brussels.—Household soap.
 Solvay et Cie., Couillet.—Carbonate of soda and chloride of calcium.
 Van den Daele, Rigot, Quiévrain.—Powder for curing toothache.
 Van Espen, X. W., Brussels.—Powder for cleaning metals, especially zinc; pharmaceutical products.
 Van Speybrouck, E., Bruges.—Coatings for preserving wood, metals, ships' hulls, &c.
 Verbist, L. E., Aerschot.—Mercurial ointment.
 Verzy, G. G., et Cie., Louvain.—Chemicals used in the manufacture of saltpetre and nitrate of soda, chloride of potassium.

Class 47.—Chemical Processes for Bleaching, Dyeing, Printing, and Dressing.

Van de Wynckele, C., Ghent.—Threads of all descriptions, exhibited as a specimen of bleaching.
 Van Laer, Brussels.—Dyer's text books.

Class 48.—Leather and Skins.

Destrebecq Freres, Péruwelz.—Samples of leather.
 Monseur, G., Theux.—Leather.
 Rasquin, I., Liège.—Leather for belts, uppers.
 Societe Anonyme Tannerie et Maroquinerie Belges, Brussels.—Tanned skins, leather for hats.
 Verse-Spelmans, A. Brichot et Cie., Brussels.—Leather beltings.
 Zuree et Cie., Ghent.—Prepared furs; rabbit and other skins, dyed.

Class 50.—Apparatus and Processes used in Agricultural Works, and in Works for the Preparation of Food.

Dassonville, De St. Hubert, Namur.—Two millstones.
 Naguels, J. F., Fontaine l'Eveque.—Curry-combs, tinned and galvanised.
 Turner, R. B., et Cie., Brussels.—Horse-clippers.

Class 52.—Machines and Apparatus in general.

Beduwe, J., Liège.—Fire-engine and fire-escape.
 De Tombay, A., Marcinelle.—Elevations and plan of gas-holder of 339,782 cubic feet.
 Hamal-Mouton, Liège.—Portable forges.
 Mabilie, V., Morlanwelz.—Weighing-bridges.

Montefiore, Levi, Brussels.—Revolver, parts of machinery bearings.
 Mouton, A., Liège.—Steel lifting rock-jacks.
 Mouly, T. V., Brussels.—Designs for automatic pumps.
 Rolin, E., et Cie., Braine le Comte.—Boilers and steam-engines.
 Scheeren, O. F., Liège.—Weighing apparatus, scale, pendulum balance.
 Thiriart, C., et Cie., Liège.—Fire-engine.
 Van Goethem, Reallier et Cie., Brussels.—Drying-machine, pump.
 Verse-Spelmans, A., Brichot et Cie., Brussels.—Beltings.

Class 53.—Machine Tools.

Heoner de Quiru, E., Brussels.—Grindstones.
 Montefiore, Levi, Brussels.—Powder-factory tools, in phosphor-bronze.
 Snoeck, Mdme., Ensival.—Miniature model of wool-press.
 Societe Industrielle du Grand Duché de Luxembourg, Brussels.—Grindstones.

Class 54.—Apparatus and Processes used in Spinning and Rope-making.

Horstmans Freres, Liège.—Cards, &c., for spinning-mills.

Class 55.—Apparatus and Processes used in Weaving.

Snoeck, Mdme., Ensival.—Plans and models of machines for the manufacture of woollen goods.

Class 56.—Apparatus and Processes for Sewing and for Making-up Clothing.

Druwe et Henderickx, Alost.—Thread, for shoe-makers and tailors.
 Turner et Cie., R. B., Brussels.—Sewing-machines, for sack and sail making.

Class 58.—Apparatus and Processes used in Paper-making, Dyeing, and Printing.

Pfeffer et Cie., Ghent.—Materials and products for making paper.
 Vanderborcht, A. et B., Brussels.—Printing materials and types.

Class 61.—Harness and Saddlery.

Druwe et Henderickx, Alost.—Thread, for making harness.

Class 62.—Railway Apparatus.

Blondiaux et Cie., Thy le Chateau.—Iron and steel rails.
 Compagnie Belge de Machines et de Matériels de Chemins de Fer, Brussels.—Photographs of railway plant.
 Finet, L., Brussels.—Sample of permanent way for tramways.
 Henricot, E., Court St. Etienne.—Axle-boxes, for railway trucks and carriages.
 Mabilie, V., Morlanwelz.—Springs and buffers.
 Rolin, E., et Cie., Braine le Comte.—Permanent railway plant, and machinery incident thereto.
 Societe Anonyme des Acieries d'Angleur, Ougrée.—Rails, tires, and axles.
 Societe Anonyme des Forges Laminoirs et Fonderies de Jemappes.—Iron and steel permanent ways for railways.
 Societe Anonyme de Marcinelle et Couillet, Couillet.—Locomotive and tender for narrow gauge, iron rails, photographs of engines.
 Societe St. Leonard, Liège.—Photographs of locomotives.
 The Cockerill Co., Seraing.—Parts of machinery used in connection with locomotives; steel rail, 200 feet long, coiled cold; general railway plant.

Class 63.—Telegraphic Apparatus and Processes.

Jowa, G. T., Liège.—Apparatus for telegraphic post.

Class 64.—Apparatus and Processes of Civil Engineering, Public Works, and Architecture.

Boucneau, L., Brussels.—Marble mantelpieces.
 De Jaiff, Devroye, Mazy.—Samples of marble and slabs for pavement and flooring.
 Descamps, E., Beersse.—Tiles, bricks, paving-tiles.
 Gils-Delvigne, Liège.—Samples of tiles and compressed cement.
 Henroz, C., Floreffe.—Pavement slabs, tiles, and bricks.
 Jauquet et Cie., Gosselies.—Marble mantelpieces and flooring.
 Josson et Delangle, Antwerp.—Portland cement.
 Lallemand, D., Andenne.—Tiles, roofing, and pavement slabs.
 Lefevre, G., Yvoir.—Veined black marble; blue Belgian and marble slabs, for pavements.
 Lupant-Carliet et Cie., Sirault.—Tiles and bricks.
 Maudoux, A., Walcourt.—Assorted marble, for flooring and pavements.
 Societe Anonyme de Merbes le Chateau (Puissant Freres).—Marble slabs and mantelpieces.
 Rolin, E., et Cie., Braine le Comte.—Bridges.
 Societe Anonyme des Marbres, Brussels.—Marble slabs and marble mantelpieces.
 Tainsy, F., Brussels.—Marble slabs and mantelpieces.
 The Cockerill Co., Seraing.—Plans of workmen's villages and cottages.
 Verbist-Lamal, R., Brussels.—Marble mantelpieces.

Class 67.—Cereals, Farinaceous Products, and Products derived from them.

De Bontridder, I. F., Vilvorde.—Vermicelli, macaroni, pure rich starch.
 Remy, E. W., et Cie., Louvain.—Rice starch.

Class 70.—Meat and Fish.

Delacre, C., Brussels.—Extract of meat.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Breckpot, G., Malines.—Liqueurs.
 Bulcke, E., Ostend.—Liqueurs, "Bitter Bulcke."
 Cassiers, M. J., Antwerp.—Chicory.
 Cuvelier, J. B., et Fils, Brussels.—Liqueurs.
 Debeukelaer, F. X., Antwerp.—Elixir d'Anvers.
 Declercq-Heer, Antwerp.—Elixir.
 Delacre, C., Brussels.—Essence of coffee, chocolate, and cocoa.
 Joveneau, A., Tournai.—Chocolates.
 Olemans, F., Brussels.—Mustard.
 Schmidt, E., Brussels.—"Belgian Bitter."
 Vandendaele, Rigot, Quievrain.—Chicory, mustard, vinegar, and syrups.
 Vanderbrugghen, C., Brussels.—Liqueurs.
 Vanderschrick Freres, Brussels.—Preserved fruits, liqueurs, syrups, vinegars.

Class 73.—Fermented Drinks.

Cuvelier, J. B., et Fils, Brussels.—Alcohols and spirits.
 Meeus, L., Antwerp.—Geneva and alcohol (the "Key" brand).
 Vandenberghe et Cie., Antwerp.—Geneva ("Bell" brand).
 Vanderschrick Freres, Brussels.—Spirits.

Class 81.—Apparatus and Processes of the Art of Mining and Metallurgy.

Jaspart, J., Liège.—Safety lamp.
 Societe Anonyme des Acieries d'Angleur, Ougrée.—Mining tools.
 The Cockerill Co., Seraing.—Photographs of mining engines.

Class 82.—Mining and Metallurgy.

Allebos, E., Brussels.—Burglar and fire proof safes.
 Ancion, J., et Cie., Liège.—Wire, wrought and cut nails, patent nails, tacks of every description.
 Dawans, A., et Orban, H., Liège.—Wire and nails.

Del Marmol de Montpellier, Otri.—Copper in sheets, wire.
 Fix, A., Molenbeek, St. Jean.—Iron and brass wire, nails, machine-made rivets.
 Francotte, Pirlot et Cie., Liège.—Brass and zinc sheets, brass wire and chaldrons.
 Henricot, E., Court St. Etienne.—Enamelled cast-iron hardware.
 Henroz, C., Floreffe.—Refractory products.
 Hoener de Quiru, Brussels.—Grindstones.
 Hoorickx, G., Brussels.—Burglar and fire proof safes.
 Jowa, G. T., Liège.—Corrugated and galvanised iron sheets and wire, galvanised iron.
 Marchot, H., Liège.—Roofing sheet-iron.
 Montefiore, Levi, Brussels.—Wire and divers articles of phosphor-bronze.
 Naguels, J., Fontaine l'Eveque.—Nails, chains, kitchen and pantry utensils.
 Nicaise, P. et N., Société Anonyme Fabrique de Boulons de la Blanchisserie, Marcinelle.—Bolts, rivets, spikes, &c.
 Nyst, J., Liège.—Bolts, screws, rivets, &c.
 Oeschger, Mesdach et Cie., Ougrée.—White zinc for paint.
 Ortmans et Fils, Verviers.—Machine-made horse-shoes.
 Puissant, H., Court St. Etienne.—Wrought-iron crucibles for Government mints.
 Riche et Cie., Marchienne au Pont.—Iron bars, wrought and sheet iron.
 Societe Anonyme des Acieries d'Angleur, Ougrée.—Bessemer's steel, steel plates for boilers.

Societe Anonyme des Corderies et Clouteries de Chatelet.—Nails of all kinds, iron wire rope, fencing wire.
 Societe Anonyme des Clouteries Mechaniques de Fontaine l'Eveque.—Nails of all kinds.
 Societe Anonyme de la Fabrique de fer d'Ougrée.—Broken samples of iron, steely and fibrous.
 Societe Anonyme des Hauts Journeaux de Monceau sur Sambre, Monceau.—Broken sections of iron rods, rolled iron joist.
 Societe Anonyme Metallurgique D'Esperance Longdoz, Liège.—Iron and steel in sheets, for springs and nails.
 Societe Anonyme des Usines Boulonneries et Fonderies de la Louviere.—Rails, fixtures, rivets.
 Societe Anonyme des Fonderies d'Andenne.—Hardware, and cooking utensils.
 Societe Anonyme di Marcinelle et Couillet.—Samples of wrought-iron.
 Societe en Commandite par Actions des Forges et Laminoirs de St. Fiacre, Monceau, St. Sambre.—Iron rods, bar and hoop iron.
 Societe Industrielle de Luxembourg, Brussels.—Grindstones.
 The Cockerill Co.—Broken samples of iron—steely, fibrous; wrought-iron; iron castings for machinery; stamped boiler ends, &c.
 Tremouroux Freres, Brussels.—Enamelled wrought-iron utensils.

FRENCH EXHIBITS.

Class 6.—Education of Children, Primary Instruction, Instruction of Adults.

- Brody, A., Paris. — Practical method for reading music.
 Flament, E., Douai. — Album of calligraphy, writing-book, French style.
 Gautier, J. L., Hyères. — The caligraph.
 Godart, aine, Paris. — Drawings, plans, &c., for schools.
 Mangin, E., Paris. — Board for teaching music in schools.

Class 7.—Organisation and Appliances for Secondary Instruction.

- Bischoff, F. E., Rouen. — New method for learning the piano.
 Heugel et Fils, Paris. — Boards for teaching music, musical library, &c.

Class 8.—Organisation, Methods, and Appliances for Superior Instruction.

- Berthelot, L., Paris. — Various specimens of archæology, album of anthropology.
 Chamber de Commerce, Paris. — Pictures representing schools erected by Chamber; books and statistics of Parisian industry.
 Fauvel, A., Caen. — Natural history of Australia, Polynesia, and New Guinea.
 Feuillet, E., Algiers. — Account-book; method for learning languages.
 Germer, Baillière et Cie. — Educational works.
 Giard, A., Lille. — Reports of the Zoological Institute of Lille and of the maritime station of Le Wimmereux.
 Metzner, C., Nancy. — Instruction-book for the pianoforte.
 Moonen, L., Paris. — History and method for the harmonium.
 Pierpont, M. de, Paris. — Instruction-book for the pianoforte.
 Thirion, —, Paris. — French and foreign laws concerning patents.
 Tissot, P. — New method for keeping accounts.

Class 9.—Printing, Books.

- Achille, T., Brest. — Report on the fine arts, sciences, and manufactures.
 Appel, F., Paris. — Coloured printing, imitation of pictures on enamelled plates, checks, drafts, labels, &c.
 Armengaud, aine. — Scientific books.
 Beauvois, E., Paris. — Engraved music plates.
 Belin, E., Paris. — Educational books, atlases, &c.
 Chaix et Cie., Paris. — Books.
 Clarey, A., Asnières. — Chromo-lithographs.
 Delagrave, C., Paris. — Books.
 Delalain Freres, Paris. — Educational books, maps, atlases, drawings, &c.
 Depierre, A., Puteux. — Works on dyeing.

- Elwall, Prof., Paris. — English-French and French-English dictionaries; English and French dialogues.
 Gauthier-Villars, Paris. — Books.
 Grus, L., Paris. — Musical publications.
 Hachette et Cie., Paris. — Books.
 Hennuyer, A. F., Paris. — Educational works, periodicals, publications.
 Jehenne et Cie., Paris. — Reproduction of pictures in chromo-lithography.
 Jouaust, D., Paris. — Books with and without illustrations.
 Laas, H., Paris. — Chromo-lithographs.
 Lacroix, E., Paris. — Works on the Universal Exhibition of 1878, and other books.
 Le Cercle de la Librairie, Paris. — Books.
 Leduc, A., Paris. — Musical publications.
 Moonen, C., Paris. — Book—"Guide to Paris."
 Plon, E., et Cie, Paris. — French books (438 bound volumes).
 Rothschild, J., Paris. — Books on sciences, arts, and natural philosophy, with illustrations.
 Roussel l'Abbe, Paris. — Books, newspapers, and specimens of printing.
 Thorin, E., Paris. — Historical, religious, and philosophical books.
 Turlot, A., Paris. — Specimens of printing from types of the firm of Virey Brothers, &c.
 Vasseur, Le, A., Paris. — Books.
 Willem, L. J. V., Paris. — High-class books, with aquafortis illustrations and engravings, &c.

Class 10.—Stationery, Bookbinding, Painting and Drawing Materials.

- Antoine, L., et Fils, Paris. — Inks, sealing-wax.
 Baignol et Farjon, Boulogne-sur-Mer. — Steel pens and penholders, pencils of every description.
 Blanchet Freres et Kleber, Rives. — Papers of every description, and photographic paper.
 Caillault et Levasseur, Paris. — Imitation of lace in paper, and paper bags for confectioners.
 Cauvy, R., Bône. — Binding of every description, paper model of the Bône Theatre.
 Claris et Gallice, Lyons. — Printers' roller composition; printing ink, black.
 Dacheux, C. V., Paris. — Quadrillés; paper designs.
 Doubourguet, A., Paris. — Elegant inkstands.
 Engel et Fils, Paris. — Binding of every description.
 Grimaud, Chartier et Marteau, Paris. — Playing cards.
 Guerimand et Cie., Voiron. — Paper of various colours and qualities.
 Hutinet, D., Paris. — Cards, chromo-lithographs for stationery; cards, &c., for photographers.
 Jeannin Freres, Chaffois. — Chalks for drawing, and chalks for clockworks.
 Laas, H., Paris. — Curling paper.
 Lacroix, A., Paris. — Colours and printing materials.
 Le Cercle de la Librairie, Paris. — Paper.
 Lorilleux, C., Paris. — Printing inks, dry colours, paste for rollers, lamp-black, &c., and specimens.
 Messener Fils, Paris. — Inks of every description, and inkstands.
 Olmer, G., Paris. — Chromos, maps, plans, &c.
 Pichot, E., Paris. — Specimens of engravings, posters.
 Pitet, aine, Paris. — Brushes and painting materials.

Renault, A., Paris.—Brushes for artists and house decorators.
 Rocher, Prost et Cie., Paris.—All kinds of colours used by artists.
 Schneider, A. J., Paris.—Printing ink, colour and varnishes, &c.
 Toiray-Maurin, Vve., Paris.—Inks, sealing-wax, and wafers.
 Torchon, C., Paris.—Labels for chemists, &c.

Class 11.—General Application of the Arts of Drawing and Modelling.

Appel, F., Paris.—Engraved plates for cheques, theatrical bills, &c.
 Guinard, A., Paris.—Six furniture drawings.
 Leroy, Secail et Cie., Paris.—Illustrations, chromo-lithographs.
 Prunier, G., Paris.—Illustrations in mother-of-pearl.
 Robert et Cie., Besançon.—Paintings on watches.
 Rocher, Prost et Cie.—Models for drawing and painting.
 Roussel, l'Abbe.—Artistic works in wood, and artistic lanterns.
 Weill, N., Paris.—Specimens of steel engraving, note-paper with crest engraved, seals, &c.

Class 12.—Photographic Proofs and Apparatus.

Audouin, J., Paris.—Complete photographic apparatus, photographic paper.
 Goupil, —, Paris.—Engravings.
 Petit, P., Paris.—Photographs.

Class 13.—Musical Instruments.

Alexandre, Pere et Fils, Paris.—Organs, harmoniums.
 Aucher Freres, Paris.—Upright pianos.
 Bailly, P., Mirecourt.—Violins.
 Boisselot Freres, Marseille.—Upright and grand pianofortes.
 Bord, A., Paris.—Pianofortes of every description.
 Canut, H., Iser, M., et Cie., Paris.—Grand and upright pianos, with oblique cords and quarter-obliques.
 Corbeel, J. H., Paris.—Keyboards for pianos.
 Debain et Cie., Paris.—Harmoniums, mechanical piano, and pianos of different kinds.
 Erard, Veuve, Paris.—Concert grand, semi-grand, and grand oblique pianofortes.
 Esteve, J., Paris.—Reeds for organs and harmoniums.
 Focke et Fils, Paris.—Two pianos.
 Gavioli et Cie., Paris.—Harmonium, ditto with crank, pipe instruments.
 Gehrling, C., et Fils, Paris.—Different parts of a piano, six models.
 Grandini-Geronimo, Paris.—Musical instruments.
 Herz, H., Paris.—Different kinds of pianofortes.
 Lecomte et Cie., Paris.—Military musical instruments.
 Morhange, L., Paris.—One harmoniflute.
 Pleyel, Wolff et Cie., Paris.—Upright and grand pianos; two movable keyboards, for transposing.
 Ruch, J., Paris.—Two cottage pianos.
 Souffloto, C. E., Paris.—Five pianofortes.
 Thibout, Veuve A., Paris.—Pianofortes.

Class 14.—Medicine, Hygiene, and Public Relief.

Manchovaut, H., Paris.—Graduated bottle for children.
 Robert, E., Dijon.—Bottles for infants.
 Vergne, H., Paris.—Surgical instruments.
 Vitry, A., Paris.—Surgical instruments, fine cutlery.

Class 15.—Mathematical and Philosophical Instruments.

Arrouit, L., Paris.—Barometers.
 Balbreck, aine, Paris.—Mathematical and surveyors' instruments.
 Bardou, A., Paris.—Optical instruments.
 Bernadac, D. J. B., Paris.—Spectacles and glasses.
 Collot, A., Paris.—Scales and standard measures.

Exupere, L., Paris.—Scales and weights for chemists and others.

Guichard et Cie., Paris.—Barometers, hydrometers.

Hardy, E., Paris.—Telegraphs, electric pens, &c.

Herve, C., Paris.—Barometers, thermometers.

Iseli, R., Paris.—Mathematical, meteorological, and surveyors' instruments.

Lemaire, A., Paris.—Opera glasses, double opera glasses, magnifying glasses, &c.

Loiseau, A., Paris.—Scientific and electric instruments.

Martin, A., Morez.—Spectacles and glasses of every description.

Molteni, A., Paris.—Optical instruments.

Moret Bailly, aine, Paris.—Spectacles and glasses of every description, patent thermometers.

Muneaux, Videpied, Okermans et Cie., Paris.—Optical and mathematical instruments, measures.

Naudet et Cie., Paris.—Holosteric barometers.

Pifre, A., Paris.—Solar apparatus, demonstrating the possibility of using the rays of the sun for the preparation of food.

Radiguet et Fils, Paris.—Optical glasses of different colours.

Redier et Cie., Paris.—Barometers.

Vuillet, C., Morez.—Spectacles and glasses of different kinds.

Class 16.—Maps, and Geographical and Cosmographical Apparatus.

Depot de la Guerre, Paris.—Maps as follow:—
 Nemours, Algeria, scale 1/20,000 (stone engraving, coloured).
 Besançon, scale 1/200,000 (stone engraving, coloured).
 Médéah, scale 1/80,000 (stone engraving, coloured).
 Code of signals, designed by M. Eckstein.
 Chamounix (stone engraving).
 Commercy, scale 1/80,000 (copper engraving).
 Versailles, scale 1/20,000 (zinc engraving, coloured).
 Seine, department of, scale 1/80,000 (stone engraving).
 The Alps, scale 1,320,000 (stone engraving, coloured).
 Algeria, scale 1/800,000 (stone engraving, coloured).
 France, the altitudes of, scale 1/800,000.
 French railways, scale 1/800,000 (photo-litho.).
 Rouen, suburbs of, scale 1/20,000 (drawn by hand).
 Valbonne, camp of, scale 1/20,000 (photo-litho.).
 France, scale 1/600,000 (copper engraving, in course of execution).
 Le Vasseur, F., Paris.—Atlases, and a large-sized map of France.
 Macarthy, A. O., Algiers.—Geographical maps.

Class 17.—Cheap and Fancy Furniture.

Damon, Namur et Cie., Paris.—Artistic furniture and hangings, coverings for furniture.
 Faure, —, Paris.—Vitrines and cabinets.
 Garceau, —, Paris.—Cast-iron furniture.
 Renard, —, Paris.—Trees for boots and shoes.
 Schmidt et Piollet, Paris.—Drawingroom suite.

Class 18.—Upholsterers' and Decorators' Work.

Letorey, —, Paris.—Artistic hangings, designs for furniture and decorations.

Class 19.—Crystal, Glass, and Stained Glass.

Benda, A., Paris.—Looking-glasses with gilt frames, mirrors with glass frames (Venetian style).
 Bernard, C., Bagnaux.—Glass globes for clocks, &c.; sheet glass, glass for photographs.
 Brot, L., Paris.—Chiffonniers, looking-glasses, mirrors, gilt and ornamented, &c.
 Chamouillet, L., Paris.—Looking-glasses, with frame.
 Darsonville, —, Paris.—Glass apparatus used for scientific and commercial purposes.
 Durafort, —, Paris.—Bottles and apparatus used for aerated waters.
 Emel, P., Paris.—Looking-glasses.
 Feil et Fils, Paris.—Flint and crown glass discs and prisms for astronomical instruments.

Gomant, C., Paris.—Crystal glassware, for table and lighting purposes.
 Landier et Houdaille, Paris.—Sèvres crystal-ware for table, plain, cut, engraved.
 Larose Freres, Nord.—Glassware for table use, fine and common.
 Le Blanc, C., Paris.—Glass and half-crystal ware.
 Lissaute et Cosson, Paris.—Glassware.
 Lorin, N., Chartres.—Stained glass window.
 Mauge, A., Paris.—Looking-glasses, and mirrors with gilt and imitation wood frames.
 Marquot, G., Bayel.—Common cast glassware, every description of cut glass.
 Renard, E., Paris.—Diaphanographics on glass and mica, mica glasses for gas lamps.
 Resseguier, —, Carmeaux.—Glass bottles.
 Societe des Glaces de St. Gobain.—Looking-glasses, white and silvered; polished glass for aquariums, glass tiles, &c.
 Sauvageot Freres, Paris.—Glassware.
 Societe der Verre Trempe, Paris.—Glass and crystal, tempered by patented process.

Class 20.—Pottery.

Ardant et Laporte et Noussot Freres, Limoges.—Busts, vases, dinner and dessert services.
 Bapterosses, F., Briare, Loiret.—Buttons and pearls manufactured from porcelain.
 Birgkann, —, Paris.—Sèvres and imitation Sèvres china, mounted in bronze, gilded and varnished.
 Bourdon et Robert, Paris.—Porcelain-ware.
 Boussard, D., Paris.—Porcelain flowers.
 Chambre de Commerce de Limoges, Limoges.—Collective exhibits of the manufacturers of porcelain.
 Dupre, H., Paris.—Artistic paintings on plaster, &c.; imitation of metal and ceramic.
 Duverne, Montceau les Mines.—Artistic terra-cotta.
 Faïencerie de Gien, Paris.—Painted pottery.
 Gossart, A., Paris.—Mounted enamels.
 Houry, J., Paris.—Artistic pottery.
 Huart Freres, Paris.—Artistic pottery, enamel-ware, &c.
 Monnier, F., Foëcy.—Porcelain resisting the action of fire, and other porcelains; white paste.
 Parent, A., et Cie., Paris.—Buttons.
 Peuillier, L., Paris.—Decorated china.
 Peyrusson, E., Limoges.—Decorated china.
 Vion, D., Paris.—Porcelain.

Class 21.—Carpets, Tapestry, and other Stuff for Furniture.

Berchoud, L., Paris.—Belleville tapestry.
 Braquenie et Cie., Paris.—Aubusson carpets and tapestry.
 Duplan et Hamot, Paris.—Carpets and hangings, tapestries.
 Dupont et Herve, Paris.—Cloths of every description, for furniture; brocaded curtains; table-covers, and carpets.
 Emery, L. et A., Lyons.—Cloths, for furniture and church ornaments, &c.
 Leduc, E., Paris.—New kinds of coverings for furniture, hangings, table-covers, chairs, &c.
 Lorthiois Freres, Tourcoing.—Carpets.
 Pin, Fils et Clugnet, Lyons.—Cloths, for furniture.
 Rouault et Gent, Paris.—Cloths, for furniture, railway carriages, steamers, sailors, &c.
 Sallandrouze Freres, Paris.—Carpets.
 Saurel Freres, Paris.—Cloths for furniture.
 Thierry, Mieg et Cie., Paris.—Printed silk and cotton goods; cloths, for furniture.
 Tresca, E., Paris.—Cloth, for furniture.
 Vanoutryve, F., et Cie., Paris.—Various kinds of coverings for furniture.

Class 22.—Paperhangings.

Follot, F., Paris.—Velvet borders and velvets (paperhangings).
 Gillou et Fils, Paris.—Painted paper panels (various designs).
 Jouanny, Paris.—Paperhangings.
 Leroy, I., et Fils, Paris.—Paperhangings.

Class 23.—Cutlery.

Batisse-Dumas, Thiers.—Cutlery.
 Piault, J., Paris.—Table cutlery.

Class 24.—Goldsmiths' and Silversmiths' Work.

Borgest, Paris.—Algerian goldsmiths' ware.
 Boulenger, A., Paris.—Plates and silversmiths' ware, plated and gilded dinner service, &c.
 Christofle et Cie., Paris.—Silversmiths' ware.
 Societe des Couverts Alfenide, Paris.—Plated goods; white-metal covers, called "couverts alfenide."

Class 25.—Bronzes and various Art Castings and Repousse Work.

Allain, F., Paris.—Bronzes.
 Avoiron et Clement, Paris.—Imitation bronze.
 Barbedienne, H., Paris.—Works of art in metal, furniture-ware in bronze, &c.
 Blot et Drouard, Paris.—Candelabras, vases, statues, groups and fancy works of arts.
 Bocquillon, Paris.—Fancy bronzes.
 Brocot, P., Paris.—Gilded bronzes and marbles.
 Domange-Rollin, Paris.—Works of art in bronze.
 Durenne, A., Paris.—Cast-iron ornaments.
 Emery, A., Paris.—Works of art in bronze, caskets, cigar-boxes, inkstands, &c.
 Gay, Lamaille et Cie, Paris.—Bronze and polished brass.
 Hottot, —, Paris.—Works of art in zinc.
 Hubault et Breuillard, Paris.—Imitation bronze clocks, candelabra, vases, statues, &c.
 Jeukens, aine, et Cie., Paris.—Polished bronze torches, groups, &c.
 Journet et Cie., Paris.—Works of art in marble and bronze.
 Lacasse, —, Paris.—Bronzes.
 Lefevre, J., Paris.—Bronzes.
 Lohse, E., Paris.—Works of art in bronze, bronze for furniture.
 Mercery et Jussy, Paris.—Clocks, vases, table fittings, in gilded bronze.
 Millet, —, Paris.—Fancy bronzes.
 Moonen, L.—Bronze candelabras for reading-tables, pianos, &c.
 Ranvier, J., Paris.—Works of art in zinc.
 Richardin, H., Paris.—Works of art in bronze—clocks, vases, candelabras, &c.
 Robin Freres, Paris.—Statues for gaslights, candelabra, torches, &c.
 Rolez, J., Paris.—Bronze vases, &c.
 Schlossmacher et Terreux, Paris.—Gas chandeliers, mineral oil lamps (bronzes).
 Societe du Val d'Osne, Paris.—Cast-iron vases and statues.
 Vincent, J., Paris.—Works of art in gilded zinc.

Class 26.—Clocks and Watches.

Amstoutz, G., Besançon.—Clock, with second-hand working independently.
 Berthelot, —, Besançon.—Galvanoplastic products, works of art applicable to clock manufacturing.
 Boillot, —, Besançon.—Specimens of engraving for watches, &c.
 Bomtems, B., Paris.—Clocks, with mechanical singing birds.
 Borel, F., Paris.—Travelling, alarum, and night clocks; clocks for ships.
 Bornet, C., Besançon.—Engravings on copper, specimens of watch-cases, &c.
 Brocot, P., Paris.—Different parts of a watch, showing days of the month, &c.
 Bronner, —, Besançon.—Engraving on metals and enamels, as used in watch-making.
 Carry, C., Besançon.—Gold hands of every description, for watches and clocks; hands of the time of Louis XV. and XVI.
 Coulet, —, Besançon, Doubs.—Silver watch-cases.
 Dessiaux, E., Paris.—Pieces required for watch-making.
 Diette Fils et Hour, Paris.—Large assortment of regulators, alarums, and clocks of every description.
 Ecole d'Horlogerie, de, Besançon.—Models, machinery, designs of watch-making school.

Gay, Lamaille et Cie., Paris.—Marble and bronze clock, gilt clocks, alarums, and repeaters.
 Girard Freres, Russey. — Pieces required for watch-making.
 Gondelfinger et Bichet, Besançon.—Gold, silver, and other metal watches, for export.
 Grisot, Fils et Cie., Besançon.—Watch-springs.
 Guenot Tribaudeau, Besançon. — Gold, silver, and metal watches.
 Guignon, E., Paris.—Small clocks and alarums.
 Hadancourt, J. B. Marie, Paris. — Brass and steel hands of every description.
 Haldy, A. E., Besançon.—Gold and silver watches, suitable for all countries.
 Hangard, J., Paris (collective exhibits of the Chamber of Commerce).—Springs for watches and chronometers.
 Herve-Cuon, Paris.—Travelling clocks, clocks for the navy (striking and not).
 Japy Freres et Cie., Paris. — Cheap clocks and watches.
 Jequier, A. H., Besançon.—Watch-springs.
 Matile Freres et Felix, Besançon. — Gold and silver watches, for export.
 Miroudot et Dessert, Paris and Besançon. — Gold and silver watches.
 Montandon, H., Besançon. — Gold and silver watches, pocket chronometers, telemeter chronographs.
 Mourey, E., Besançon.—Gold and silver watches, for export.
 Perrelet Freres, Besançon. — Gold and silver watches, for export.
 Pinaire, E., Besançon.—Watch-keys, watch-chains, watch-cases.
 Quinet et Richard, Paris.—Clocks.
 Redier et Cie., Paris.—Clocks, travelling clocks.
 Rodanet, A. H., Paris. — Chronometers for the navy, travelling clocks, watches.
 Rolez, J., Paris.—Clocks.
 Rosset, E., Paris.—Clocks, mysterious clock.
 Sauteur, Labitte, Paris.—Portable clocks and alarums.
 Savoye Freres, Paris. — Eighteen-carat gold watches, silver watches.
 Silvant, F., Besançon.—Gold watches, for export.
 Villon, A., Paris.—Portable clocks and alarums.

Class 27.—Apparatus and Processes for Heating and Lighting.

Dellafollie, Bastide, Castoul et Cie., Paris. — Gaslights, lustres, chandeliers, lamps.
 Martin, C., Paris.—Gas kitchen stoves; calorifers, with reflectors and crystal tubes.
 Viellard et Cie., Paris.—Heating and cooking apparatus, for gas.

Class 28.—Perfumery.

Candes et Cie., Paris.—Antephelic milk, for the toilet.
 Carcano, Mdme., Paris.—Perfumed satchets.
 Cottance, —, Paris.—Perfumery.
 Coudray, E., et Fils, Paris.—Perfumery, toilet soap, tooth paste-powders, &c.
 Delettrez, A., Paris.—Perfumery.
 Guerlain, A., Paris.—Perfumery.
 Lyonnet, Maison, Paris.—Perfumes for the toilet, soaps, pomades, and toothpastes.
 Muraour et Cie., Paris.—Laferriere water, scents, perfumed oil for the hair, rice powder, &c.
 Raynaud, Maison, Paris.—Perfumery and scented soap.
 Roger et Gallet, Paris.—Eau-de-Cologne, soaps, and perfumery.
 Roure, Bertrand et Fils, Grasse. — Scents, perfumed oils, pomades.
 Viard, —, Levallois-Perret. — Eau-de-Ninon, and Velontine Viard toilet vinegar, &c.

Class 29.—Leather-work, Fancy Articles, and Basket-work.

Amson et Fils, Paris.—Portemonnaies, cigar-cases, pouches, travelling-bags, work-boxes, glove-boxes.
 Arles, Dufour et Cie., Paris.—Bronzes, basket-ware, combs and brushes.

Barbier et Fils, Paris.—Balls and billiard cues.
 Barthelemy, —, Paris.—Tortoise-shell ware.
 Bernadac et Croise, Paris. — Combs and spectacles.
 Bernadac, D. J. B., Paris.—Combs and articles made of horns, tortoise-shell, ivory, &c.
 Bez et Fils, Labastide sur l'Hers.—Combs.
 Bondier, Ulbrich et Cie., Paris.—Pipes and cigar-holders.
 Bomtems, B., Paris.—Snuff-boxes; and cages with mechanical singing-bird.
 Boucart, Jenne, Paris.—Imitation meerschaum pipes; funeral crowns and articles for churches.
 Brochard, E., Paris. — Travelling-bags, jewel-caskets, work-boxes, ladies' bags, &c.
 Cleray, E., Paris.—Tortoise-shell portemonnaies and cigarette-cases, scarf-pins, brooches, medallions, and crosses.
 Desgoffe, B., Paris.—Objects of art.
 Desjours, J. M., Paris.—Toilet brushes, brushes for billiard-tables, combs, paint brushes, &c.
 Desmarest et Cie., Paris.—Oilcloths and floor-cloths of every description.
 Dumas-Zorgo, Paris.—Combs, imitation tortoise-shell.
 Fauvelle-Delabarre, jun., Paris. — Tortoise-shell and horn combs.
 Filsjean, H., Paris. — Tortoise-shell cigar and cigarette cases and portemonnaies.
 Fleury-Cossart, Paris.—Bone brushes and buttons.
 Gardeux, A. D., Paris.—Metallic brushes, for the toilet; brushes for steam-boilers.
 Gauchot Fils, Paris.—Brushes of every description, hand-glass, &c.
 Georges-Flavien, Paris.—Briar-wood pipes, snuff-boxes, clay pipes.
 Grunbaum, H., Paris. — Portemonnaies, cigar-cases; ladies' boxes, lined with velvet, &c.
 Huet, J., Paris.—Polished steel ornaments, buttons, pins, purses, and rings.
 Jordan, Tillmanns et Cie., Paris.—Portemonnaies, purses, ladies' bags, dressed dolls, &c.
 Krebs, W., Paris.—Meerschaum pipes, with amber mouthpieces; cigar and cigarette holders.
 Leclerc, A. Veuve, Paris. — Cigar-cases, with musical boxes.
 Lefevres Guicheux, Ezy.—Combs of every description, manufactured from buffalo-horns, &c.
 Lodde Fils, Paris.—Handbrooms of every description.
 Prevost, V., Paris. — Lockware for travelling articles, &c.
 Prunier, E., Paris.—Mother-of-pearl pictures.
 Ravenet, aine, Paris.—Combs.
 Wedeles et Cie., Paris. — Pipes, snuff-boxes, wooden cigar-holders, tooth-brushes, whips, dominoes, counters, &c.
 Whelen, A., Paris.—Fans.

Class 30.—Cotton Thread and Fabrics.

Bonnet, Regnault, Rouen.—Cotton goods.
 Cartier, Bresson, Paris.—Sewing, knitting, and crochet cottons; laces and tapes.
 Daliphard et Heilmann, St. Léger du Bourg Denis.—Bleached cotton goods.
 Dubreuil et Lalande, Paris.—Cotton goods of various descriptions.
 Fauquet-Lemaitre, Rouen. — Bleached, unbleached, and coloured cotton goods.
 Flamant, L., Paris.—Fancy fabrics for dresses, gauzes for bonnets and veils, barèges and grenadines.
 Keitinger, F., et Fils, Lescure.—Prints for dresses, shirts, furniture, cravats, and handkerchiefs.
 Lacassaigne, A., Rouen.—Prints for furniture dresses, shirts, handkerchiefs, &c.
 Lemaitre Lavotte, Rouen.—Prints for dresses, shirts, and furniture.
 Lemoine, S., et Cie., La Riviere-Thibouville.—Woven cottons, &c.
 Manchon, A., Rouen. — Cotton goods of every description for dresses, cretonnes, &c.
 Meunier, C., et Cie., Paris.—Cotton curtains.
 Rondeaux, H., Rouen.—Cotton goods for shirts, dresses, and furniture.
 Rosset, A., Lyons.—Fancy materials for dresses, veils, and collars.

Stackler, H., Rouen.—Printed cotton goods.
 Thibaut, Autin, et Lapersonne, Rouen.—Moleskins, different colours and designs, cotton and flannel mixed.
 Thiriez, Pere et Fils, Lille.—Cotton threads, sewing cotton, &c.
 Vadam, A., et Cie., Paris.—Thread tissues for curtains, curtains, material for scarfs and dresses.
 Vaucher, E., et Cie., Rouen.—Bleached cottons of every description.
 Viarme, Frings et Cie., Paris.—Bleached and dyed sewing, marking, knitting, and machine-sewing cotton.
 Wallen, P. H., et Cie., Rouen.—Percaline, lining satinettes, green baize, &c.
 Wedeles et Cie., Paris.—White and coloured printed tarlatans, and muslin brocaded curtains.

Class 31.—Thread and Fabrics of Flax, Hemp, &c.

Hassebroucq Freres, Communes.—Linen threads in skein or on reels.
 Joubert Bonnaire, Angers.—Sail cloth.
 Lecoustellier, —, Abbeville.—Netting-cords, fishing-lines, and hand-lines.
 Magnier, Brunet, Duplay et Cie., Paris.—Bed and table linen.
 Meunier et Cie., Paris.—Damasked table linen.
 Yvose, Laurent et Cie., Paris.—Linen fabrics.

Class 32.—Worsted Yarn and Fabrics.

Blazy Freres, Paris.—Worsted, knitting, and other yarns, for embroidered tapestry.
 Legrand, Les Fils de T., Nord.—Scotch cashmere, merinoes, &c.
 Legros, Fils, aine, Marne.—Woollen goods.
 Vaillant et Veuve Pruvot, Cambrai.—Muslin delaine of various qualities.

Class 33.—Woollen Yarn and Fabrics.

Adnet, A., Sedan.—Cloths, woollen fabrics, woollens of every kind.
 Arles, Dufour et Cie., Paris.—Woollen goods, fancy woollen goods.
 Aubert, Sacy, et Varlet, Chamber of Commerce, Rheims.—Woollen fabrics of every description.
 Bellest, F., Elbeuf.—Fabrics for winter and summer clothing.
 Benoist Freres et Poulain, Rheims.—Woollen fabrics of every description.
 Berjonneau Demar, Elbeuf.—Fabrics for winter and summer clothing.
 Blin et Bloch, Elbeuf.—Black clothings and coatings.
 Bourdonne, —, Rheims.—Woollen fabrics of every description.
 Brion, E., Rheims.—Woollen fabrics of every description.
 Bulteau, A., Paris.—Woollen fabrics for dresses.
 Cerfon, C., Elbeuf.—Coatings and clothings.
 Cornet, Dauphinot et Dupuis, Rheims.—Woollen fabrics of every description.
 Dauphinot, Pere et Fils, et Martin, Rheims.—Woollen fabrics of every description.
 Dellattre, J., Pere et Fils, Dorignies-lez-Douai.—Combed wool.
 Desbois, P., Elbeuf.—Fabrics for winter and summer clothing.
 Desteuque, E., Rheims.—Woollen fabrics of every description.
 Dreyfus, E., et Fils, Paris.—Woollen fabrics, black and other colours.
 Elbeuf Chambre de Commerce.—Worsted and woollen fabrics.
 Franchet, Puget et Cie., Elbeuf.—Fabrics for winter and summer clothing.
 Fassin, jun., et Pelletier, Rheims.—Woollen fabrics of every description.
 Flavigny, C., Elbeuf.—Summer and winter coatings and truserings.
 Fleury, Desmares et Canthelou, Elbeuf.—Woollen overcoatings.
 Fraenkel, Blin, Elbeuf.—Woollen coatings and clothings.
 Givélet, E., Rheims.—Woollen fabrics of every description.

Godbert, jun., et Cie., Rheims.—Woollens.
 Grandjean et Cie., Rheims.—Woollens.
 Gregoire Freres, Rheims.—Woollens.
 Grevin, A., Rheims.—Woollens.
 Happey et Picard, Elbeuf.—Woollen stuffs for clothing.
 Houllier, jun., Elbeuf.—Fabrics for winter and summer clothing.
 Hubert, J., Rheims.—Woollens.
 Jacquot, Rennesson, Ravaux et Cie., Paris.—Woollens.
 Lageze et Nouvion, Rheims.—Woollens.
 Lanne, Fils, aine, et Pion, A., Elbeuf.—Woollen fabrics of carded wool.
 Lecallier, Fils, Elbeuf.—Military cloth, cloth for billiard-tables.
 Legrix et Fils et Maurel, Elbeuf.—Winter and summer clothings and coatings.
 Lelarge, F., Rheims.—Woollens.
 Lemoine, A., Rheims.—Woollens.
 Lepaire, —, Paris.—Woollen felt hats.
 Lochet, L., Rheims.—Woollens.
 Mary, A., Elbeuf.—Trousers and suitings.
 Mennesson, H., et Cie., Rheims.—Woollens.
 Nivert et Boulet, Elbeuf.—Woollen cloths.
 Nyssen, J. B., Rheims.—Woollens.
 Olivier, P., Elbeuf.—Trousers.
 Osouf, P., et Francart, Rheims.—Woollens.
 Petit-Godbert, A., Rheims.—Woollens.
 Philippot, Veuve J. M., Rheims.—Woollens.
 Pinon et Guerin, Paris.—Woollen fabrics of combed and carded wool, fancy clothing.
 Poincenet, Delanerie, Rheims.—Woollens.
 Rheims Chambre de Commerce, Marne.—Woollen fabrics—merinoes, flannels, cloaks, velveteens, clothing, &c.
 Sieber, H., Seydoux et Cie., Paris.—Woollen fabrics, all wool.
 Stavaux-Bonnaire et Fils, Paris.—Woollens, black and dyed.
 Van Bergen et Cie., Paris.—Woollens, dyed by Blanche at Puteaux, Seine.
 Villemot-Huard, Rogelet et Cie., Rheims.—Woollens.
 Walbaum, A., Fils et Desmarest, Rheims.—Woollens.

Class 34.—Silk and Silk Fabrics.

Arles, Dufour et Cie., Paris.—Spun silk, silk ribbons.
 Audibert, M., et Cie., Lyons.—Silk fabric, plain, figured, brocaded; black and coloured velvets.
 Beraud, J., et Cie., Lyons.—Manufactured silk goods.
 Bonnet, C. J., Les petit Fils de, Lyons.—Silk fabrics, black plain armures silk.
 Brosset-Heckel, Lyons.—Every description of satin goods.
 Camel Freres et Cie., Lyons.—Silk fabrics, plain and manufactured; silks for furniture.
 Chardin, E., et Cie., Paris.—Sewing and embroidering silk.
 Charvet, Vautheret et Cie., Lyons.—Plain and fancy satins for dresses, kiltings.
 Charbin, E., Lyons.—Collective exhibit of the Chamber of Commerce—plain velvets, plush, sicilians, poplins, and fancy silks.
 Dacheux, C. V., Paris.—Industrial designs for silk weaving.
 Garnier-Lombard, Nimes.—Sewing silks in skeins and reels, fancy fabrics.
 Gerin, J., St. Etienne.—Ribbons of different qualities.
 Gerin et Defour, St. Etienne.—Plain and figured ribbons.
 Guinet, J., et Fils, Lyons.—Dress goods, figured and plain armures; satin, silk for umbrellas.
 Guinet, A. M., et Cie., Lyons.—Silk fabrics, plain and black; silk velvet.
 Kahn, S., Freres, Paris.—Silk ribbons, plain and figured.
 Lancon et Cie., Lyons.—Fancy material for dresses.
 Martin, J. B., Earare, Rhone.—Silks.
 Mauvernay Freres et Touchebeuf, Lyons.—Black and coloured silks, armures satins, silks for umbrellas.

Million et Servier, Lyons.—Silk fabrics; plain, black, coloured velvets; fancy silk goods.
 Morand, M., Lyons.—Price list of silks and silk goods—"Weekly Review."
 Ogier, Noyer et Cie., Lyons.—Fancy silks; fabrics for dresses, printed.
 Pages, La Baronne de, Paris.—Samples of silks and silk goods.
 Permezel, L., et Cie., Lyons.—Satins for hat-makers and dresses, fancy silks; silks for parasols, umbrellas, fans, &c.
 Philipp, J. M., Les petits Fils de, St. Etienne.—Velvet ribbons.
 Poncet, Fils et Cie., Lyons.—Black and coloured silk armures, fancy silks.
 Reyre, Louvier et Bellissen, Lyons.—Silks for linings and ladies' dresses.
 Ringard Vanel, Lyons.—Silk fabrics, church ornaments, coverings for furniture.
 Rosset, A., Lyons.—Silk goods.
 Tapissier Freres, Lyons.—Plain, black, and coloured silks, armures, &c.
 Thevenin et Gusstelle, Lyons.—Plain and figured silk armures.
 Tournu, M., Freres, Lyons.—Satins, plain, black, and coloured; black silk.
 Vallat, Deville et Cie., St. Etienne.—Plain and figured ribbons, black and coloured ribbons.
 Vaquez Fessart, Paris.—Sewing and embroidery silk, for tapestry work.

Class 35.—Shawls.

Breant, E., Paris.—Brocaded shawls of various kinds.
 Pin, Fils et Clugnet, Lyons.—Brocaded Indian shawls.
 Verdiere, E., et Lebis, Paris.—Shawls—silk woollen, pure and mixed.

Class 36.—Lace, Net, Embroidery, and Trimmings.

Arles, Dufour et Cie., Paris.—Trimmings and embroidery, silk embroidery.
 Babey et Cie., Calais.—Lace curtains, embroidery of various kinds.
 Baboin, aine, Lyons.—Tulles of every description.
 Blazy Freres, Paris.—Embroidered tapestry, &c.
 Bloch, jun., Paris.—Trimmings and buttons.
 Boyriven Freres, Paris.—Trimmings and bindings, used for carriages and railway carriage fittings; carriage coverings.
 Cazin, H., Calais.—Black and white silk laces, cotton lace.
 Dieutegard, E. et E., Paris.—Fancy trimmings.
 Langlois, L., Paris.—Fancy passementerie.
 Lefebure Freres, Paris.—Laces and blondes.
 Noonon, Mme. L., Paris.—Imitation of Point de Cluny lace, silk embroidery, &c.
 Naude, G., Paris.—Designs for hand embroidery, for silk and wool work (tapestry).
 Rendu et Moise, Lyons.—Gauzes, grenadines, crapes, embroidery, fancy silks.
 Rosset, A., Lyons.—Silk gauze, embroideries.
 Sarazin, Montfort et Cie., Paris.—Laces—imitation Chantilly, Valenciennes, and blondes.
 Usine Cliff (Societe) St. Quentin, Aisne.—Laces—imitation Valenciennes.
 Wedeles et Cie., Paris.—Silver and gold trimmings, for uniforms; church decorations, flags, banners, &c.

Class 37.—Hosiery and Underclothing, and Accessories of Clothing.

Aubertin et Neveu, Paris.—Kid gloves.
 Batardy, —, Paris.—Articles de mode.
 Berard, C., Grenoble.—Gloves.
 Bertholet et Cie., Paris.—Cotton shirts, with linen fronts, embroidered fronts; silk shirts, linen and cotton drawers.
 Berthon, Mme., Paris.—Articles de mode.
 Bonbon, G., et Cie., Troyes.—Cotton, silk, and woollen hosiery.
 Bonni, —, Paris.—Articles de mode.
 Boussard et Morisson, Paris.—Kid gloves, Swedish gloves, and gloves trimmed with fur.

Brochot, E., Paris.—Plain and fancy gauzes, scarfs, and gauze veils, embroidered tulle.
 Buisson et Fils, Paris.—Fans.
 Calvat, F., et Cie., Grenoble.—Kid gloves.
 Carcaut, G., Paris.—Steel busks, self-fastening busks.
 Cerf, E., Paris.—Mother-of-pearl, bone, lorozo, and buffalo-horn buttons.
 Chapin, F., et Cie., Rouen.—Shirts.
 Courvoisier, P., et Cie., Paris.—Gloves, and kid for gloves.
 Damoiseau, K., Troyes.—Fancy cotton hosiery.
 Duvelleroy, —, Paris.—Fans of every description.
 Falcimaigne, C., Fils, Paris.—Umbrellas, sunshades, parasols, &c.
 Farcy et Oppenheim, Paris.—Hand-sewn stays.
 Fayaud, A., Paris.—Braces, garters, belts, cloaks, swimming-belts, and cushions.
 Fromage, L., et Cie., Paris.—Elastic web braces, belts, garters, &c.
 Gerin et Defour, St. Etienne.—Ladies' and gentlemen's scarfs, &c.
 Germain, Fils, Nismes.—Woollen, cotton, and silk hosiery.
 Grut, Pere et Fils, Paris.—Hand-sewn stays.
 Guerin-Brecheux, V., Paris.—Fans.
 Hassebroucq et Cie., Commines.—Wool, for hosiery.
 Jay, E. et S., Paris.—Kid, Swedish, and castor gloves.
 Jouvin "Societe Veuve Xavier," Paris.—Jouvin's gloves.
 Kees, E., Paris.—Fans of every description.
 Lancon et Cie., Lyons.—Scarfs.
 Lejeune, A., Paris.—Braces, garters, belts, bracelets, bathing-caps, and sundries.
 Le Roy, G., Paris.—Articles de mode.
 Libron et Stiegler, Paris.—Seamless stays.
 Loncle et Lamoitier, Paris.—Scarfs, fichus, and fashionable hosiery, &c.
 Mancardi, Combet et Donnet, Lyons.—Plain material for linings.
 May Freres, Paris.—Buttons and buckles.
 Mergault, Mme., Asnieres.—Made-up linen for women and children; laces, fichus, collars, and cuffs.
 Morcel Freres, Plancy.—Hosiery, cotton and thread socks and stockings.
 Neyret, C., et Cie., Paris.—Woollen, thread, and silk gloves.
 Pascal, L., Fils et Freres, St. Chamond.—Woven elastic, for boots and garters.
 Perrin Freres, Grenoble.—Kid gloves.
 Piault, A., Paris.—Braces and garters.
 Premont, Mme. L., Paris.—Underclothing.
 Quinquarlet, A., et Fils, Aix-en-Othe.—Ribbed hosiery, cotton and woollen.
 Raguet, P., et Cie., Troyes.—Woollen, cotton thread, and silk hosiery.
 Renault, E., Rouen.—Handkerchiefs, coloured and illustrated with military subjects.
 Roussel, A., et Bailey, G., Paris.—Elastic braces.
 Simonnet, Duche, Bar-le-Duc.—Cotton and woollen vests, pure and mixed.
 Sueur, E., et Cie., Paris.—Shirts and drawers.
 Thuillier Poisson, Aix-en-Othe.—Ribbed merino stockings, embroidered; cotton and thread stockings, cuffs, &c.
 Trefousse et Cie., Chaumont.—Kid gloves.
 Tyrode, C., St. Etienne.—Braids for hats, plain and figured, black and coloured.
 Vessiere, P., Paris.—Linen, made up, and layettes.
 Wiesner, M., Paris.—Kid gloves.

Class 38.—Clothing for both Sexes.

Agnellet Freres, Paris.—Straw and felt hats and bonnets, bonnet trimmings.
 Alberti, —, Paris.—Artificial fruits.
 Appert, A., Paris.—Ladies' and children's boots.
 Arles, Dufour et Cie., Paris.—Gentlemen's hats, trimmed and untrimmed; linen, felt hats.
 Bardel, —, Paris.—Artificial flowers.
 Basset, A. L., Paris.—Boots and shoes.
 Berthon, Mme., Paris.—Women's clothes.
 Caillaux, —, Paris.—Artificial flowers.
 Chambre Syndicate des Fleurs, Paris.—Artificial flowers.

Chandelet, E., Paris.—Artificial flowers.
 Chanfreau, A., Paris.—Felt, woollen, and water-proof hats.
 Chollet, A., Chartres.—Country boots, double-sewn; shooting boots, fishing-boots, army boots.
 Clermont, De, et Cie., Paris.—Hats, and material for hats.
 Cosson, aine, et Delatour, Paris.—Boots and shoes for women, men, and children, machine-sewn.
 Dacheux, C. V., Paris.—Fancy boots and shoes.
 Delivre, —, Paris.—Artificial flowers.
 Delmart, —, Paris.—Feathers.
 Diringer, Veuve, et Fils, Paris.—Artificial flowers.
 Dubois, G., et Fils, Paris.—Boots and shoes for men, women, and children.
 Dupont, Delafosse et Cie., Paris.—Artificial flowers, leaves, bouquets, and crowns.
 Emel, P., Paris.—Shoes.
 Eppinger, J., Paris.—Feathers.
 Eschemann, —, Paris.—Artificial leaves.
 Faure, P., Paris.—Hand-sewn and riveted boots and shoes for men and women.
 Gaillard, L., Paris.—Boots and shoes for women and children, for export.
 Gauche, L., Paris.—Feathers.
 Gervais, A., Paris.—Ladies' boots and shoes.
 Girard, A., Paris.—Hand and machine-sewn boots and shoes, for men, women, and children.
 Godchau, A., Paris.—Ready-made clothes.
 Gondalma, B., Castelsarrasin.—Frock-coat, blue cheviot cloth, sewn with white thread.
 Gouverneur et Nibart, Paris.—Feathers.
 Grebert-Borgnis, Paris.—Ready-made clothes for men and women; fur coats and cloaks, muffs, &c.
 Guillemont, —, Paris.—Artificial flowers.
 Haas et Cie., Chamber of Commerce, Paris.—Felt hats, hats and caps.
 Henriot, aine, Paris.—Boots and shoes, hand and machine-sewn and riveted, for men, women, and children.
 Herzberg, B., et Cie., Paris.—Men's, women's, and children's hats.
 Huard, L., Paris.—Vitrine, containing boots and shoes.
 Humbert, S., Paris.—Artificial flowers.
 Lacroux, E., Paris.—Fancy boots and shoes.
 Lafitte, —, Paris.—Flowers, feathers.
 Laloue, A., Paris.—Feathers.
 Lamy, J. B., Paris.—Boots and shoes, material for.
 Langenhagen, de, C. B., Nancy.—Panama hats for men and boys.
 Lebrun, L., Paris.—Feathers.
 Lemoine, A., Paris.—Hand-sewn boots and shoes for men and women.
 Le Traon et Cie., Paris.—Flowers.
 Lorre, L., Troyes, Aube.—Furs.
 Marienval, G., et Cie., Paris.—Artificial feathers.
 Maurel, A., Paris.—Waterproof coats.
 Megret, E., Paris.—Boots and shoes.
 Melies, L. S., Paris.—Hand-sewn boots and shoes for men and women.
 Michel et Cie., St. Quentin.—Men's boots and shoes of every description.
 Migneaux, J., Paris.—Artificial feathers.
 Pattay, E., Paris.—Artificial flowers.
 Peuchot-Poree, —, Paris.—Artificial flowers.
 Pinet, F., Paris.—Hand-sewn boots for women and children.
 Pissis et Bugette, Paris.—Feathers.
 Plantier, F., Paris.—Feathers for head-dress.
 Provot Freres, Chazelles-sur-Lyon.—Soft felt hats.
 Renard, E., Paris.—Lasts, for boots and shoes.
 Revillon Freres, Paris.—Furs, boas, muffs, cuffs, linings, hearth-rugs, carriage-rugs, sealskin mantles and jackets.
 Ribaute, D., Paris.—Feathers.
 Salme, H., et Lepine, Paris.—Ready-made ladies' dresses, cloaks, pelerines, fichus, &c.; mantles.
 Turney Brosset, Paris.—Artificial flowers.

Class 39.—Jewellery and Precious Stones.

Arles, Dufour et Cie., Paris.—Gold jewellery.
 Aubin, R. A., Paris.—Fancy jewellery.
 Baudet et Fils, Paris.—Silver Albert chain, collars and lockets, chain purses. §

Bissenger et Cie., Paris.—Precious stones, engraved.
 Bourcier, C., Paris.—Gilded and plated jewellery, filigree work, imitations of old silver.
 Bulot, —, Paris.—Imitation jewellery, chains, &c.
 Candelot, P., Paris.—Bracelets of every description, lockets.
 Chopard Freres, Paris.—Fancy silver jewellery.
 Couturier, C. A., Paris.—Silver links.
 Dard, —, Paris.—Filigree jewellery.
 Duvillard, A., Paris.—Fancy jewellery and articles de Paris.
 Fean, A. V., Paris.—Silver and gold thimbles.
 Ferre, T., Paris.—Gold, silver, and brass material, for jewellers, made by machinery.
 Forin et Riedemann, Paris.—Jewellery.
 Fornet, A., Bourg.—Gold jewellery.
 Hemery, E., Paris.—Gilded rings, scarf rings, and scarf pins.
 Janning, J., Paris.—Imitation metal and pearl jewellery.
 Lion, A., Paris.—Gold jewellery.
 Lucy, E., Paris.—Bracelets, brooches, earrings, collars, lockets, in silver; gold rings.
 Maillard, F., Paris.—Imitation jewellery.
 Mascuraud Freres, Paris.—Imitation pearl jewellery.
 Millet, —, Paris.—Jewellery.
 Moulinet, Souchet, Paris.—Enamelled jewellery (flowers).
 Murat, —, Paris.—Imitation gold jewellery.
 Nerand, L., Paris.—Nickelled, gilded, and plated jewellery—bracelets, combs, collars, lockets.
 Petit Fils, Paris.—Jewellery and precious stones.
 Piel, A., Paris.—Gilded jewellery.
 Pinsard-Martin, Paris.—Mourning jewellery.
 Regad, A., Paris.—Imitation precious stones.
 Regey et Cie., Paris.—Fancy gold and gilded buttons, chains, lockets, bracelets, &c.
 Ruteau Freres, Paris.—Imitation pearl jewellery.
 Savard, Vve., Paris.—Jewellery.
 Soyer, —, Paris.—Artistic enamels.
 Thomas, E., Paris.—Imitation jewellery and mourning jewellery.

Class 40.—Portable Weapons, and Hunting and Shooting Equipments.

Gaupillat, —, Paris.—Sporting and military ammunition, not loaded.
 Genique et Nicolas, Paris.—Fencing-gloves, boxing-gloves, masks, foils, and swords.
 Him et Cie., Paris.—Shooting and fishing equipments.
 Laffiteau et Rieger, Paris.—Fancy arms.
 Lochet, aine, et Debertrand, Paris.—Dog collars.

Class 41.—Travelling Apparatus and Camp Equipage.

Arles, Dufour et Cie., Paris.—Travelling bags, &c.; morocco articles.
 Flandin, T. D., Paris.—Travelling apparatus.
 Frete et Cie., Paris.—Tents and camp equipage.
 Gontard, Marteau, et Cie., Paris.—Locks and fastenings for travelling bags, &c.
 Prevost, V., Paris.—Lockware for travelling apparatus; carriage blinds.
 Walcker, W., et Cie., Paris.—Travelling apparatus and camp equipage.

Class 42.—Toys.

Arles, Dufour et Cie., Paris.—Toys.
 Bru, jun., Paris.—Dolls and baby dolls.
 Lejeune, A., Paris.—Toys, balls, dolls, baby dolls.
 Lory, J., Paris.—Mechanical pictures, mechanical singing-birds.
 Martin, E., Paris.—Mechanical toys.
 Petitnicolas, A., Paris.—Metal toys.
 Potier, G., Paris.—Mechanical toys, steamers, and locomotives, &c.
 Vichy, G., Paris.—Mechanical musical toys.

Class 43.—Products of the Cultivation of Forests and of the Trades appertaining thereto.

Moonen, L., Paris.—Collection of woods.

Ronot, J., Is-sur Tille.—Three small casks containing a litre each, made out of the same piece of wood, and holding together.

Class 45.—Agricultural Products not used for Food.

Bailleau, M., René, Illiers.—French merino wool, lambs', scoured, washed, combed, and spun wool.
Baronne, La, de Pages. — Silk-worm cocoons, reared by the exhibitor.
Grasas, —, Marseille.—Saffron in leaf.
Guyonnet, —, Assi-bou-Nif.—Sample of tobacco and cotton without seeds, &c.
Hugonnard, —, Médéah.—Alfa de bon cedraia, gathered 1880.
Le Bugle, C., Lapoterie.—Down, eider down.
Ramel, P., Algiers.—Products of the eucalyptus.
Vilmorin, Andrieux, et Cie., Paris.—Seeds.

Class 46.—Chemical and Pharmaceutical Products.

Allenet, A., Angoulême. — Wine king, tonic and aperient wine.
Armet de Lisle et Cie., Paris. — Sulphate of quinine.
Arnaud, —, Paris. — Chemical and pharmaceutical products.
Baudon, —, Paris.—Baudon wine, elixir eupeptic of Tissy.
Belugou, D., Montpellier.—Quina curaçao Belugon.
Beyer, V., Paris.—Elixir water and dentifrice.
Blaquart et Genevoix, Paris.—Quevenne iron, hydrogene iron.
Boude et Fils, Marseilles.—Sulphur of every description.
Catillon, A., Paris.—Pepsine Catillon, syrup of Catillon, ferruginous wine of Catillon.
Chalmel, G., Paris.—Varnishes of different colours and of every description.
Charras et Cie., Nyons.—Essential oils of different kinds.
Chevrier, A., Paris.—Codliver oil, cocoa wine, cod-liver wine.
Chouet et Cie., Paris.—Tooth powder and dentifrice of Dr. Pierre.
Chouillon, E., Rouen.—Chemical manures.
Coignet, Fils et Cie., Paris.—Gelatine, gelatine gum, and strong gum.
Compagnie des Eaux Minerales Naturelles de Vichy, Paris.—Vichy water.
Deschamps Freres, Vieux Jeand'heurs.—Ultramarine blue, in powder and balls; ultramarine, green, violet, red.
Desnoix et Cie., Paris.—Blisters, sticking-plasters.
Duriez, E., Paris.—Quinordine Duriez, elixir Duero.
Dutaut, Paris.—Dutaut's food for young children, invalids, and the aged.
Favier, Berard et Cie., Valence.—Glycirrhizine amoniale, ducine in powder, essential oils.
Feil et Fils, Paris.—Artificial reproduction of minerals, crystallisation of aluminum of magnesia.
Freyssinge, Paris.—Freyssinge tar, salicale Dusaule, Dartois' pills, &c.
Genevoix, E., et Cie., Paris.—Chemical and pharmaceutical products.
Giravdeau-St. Gervais, Paris. — Rob Boyeau Laffecteur's syrup.
Guimet, E., Lyons. — Artificial ultramarine blue, in powder and in balls.
Guislain, A., Paris.—Peruvian cocoa wine.
Homolle et Blaquart, Paris.—Homolle and Quevenne digitaline.
Hottot, A., et Cie., Paris.—Pure pepsine, pepsine and pepsine preparations.
Javel, Manufacture de, Paris.—Gelatine, and gelatine gum.
Jouret et Serret, Marseilles.—Pale blue soap (called "Marseilles soap"), white soap.
Julien, E., St. Amand.—Anti-asthmatic trochus.
Lacroix, A., Paris.—Colours for porcelain painting.
Lefebvre, Illiers.—Green water Lefebvre—a remedy against fever amongst animals.
Lefranc, A., Paris.—Colours, varnishes.
Lejeune, A., Paris.—Tubes, india-rubber sheeting, and bands of every description used for machinery.

Leroy, C., Paris.—Blackening.

Lerainville et Rambaud, Paris.—Colours and varnishes.

Limousin et Cie., Paris.—Pharmaceutical products, &c.; seals for bottles.

Michaud, Fils et Freres, Seine.—Soaps.

Montreuil Freres et A. Vignot et Cie., Clichy.—Chemical and pharmaceutical products.

Mothes, Lamouroux et Cie., Paris.—Capsules Mothes'.

Pestrin, La Cie. du, Pestrin.—Natural mineral waters of Pestrin—acidulated, ferruginous, arsenical, &c.

Pontois, A., Montbard.—Quinapontois, prepared with quinquina calysaya and the rind of the shaddock, &c.

Poulenc et Fils, Paris.—Chemical products, for photographers, chemists, and for commerce.

Ricqles, E. de, et Cie., Paris.—Alcohol de Menthe de Ricqles.

Robelin, L., Dijon.—Ultramarine blue.

Roseau et Cie., Paris.—Insect-destroying powder.

Ronquier, M., Dugny.—Colours and varnishes.

Solvay et Cie., Vrangeville.—Carbonate of soda, soda crystals.

Surun, —, Paris.—Seguin's quinquina wine.

Thessier-Fevre, Paris.—Apparatus for making seltzer water at home.

Torchon, C., Paris.—Chemical and pharmaceutical products.

Wedeles et Cie., Paris.—Blackening.

Wislin et Cie., Paris.—Wlinzi paper, chemical paper.

Class 47.—Chemical Processes for Bleaching, Dyeing, Printing, and Dressing.

Blanche, A., Puteaux.—Dyes manufactured for Van Bergen, of Paris.

Chalamel et Cie., Puteaux.—Coverings for furniture (specimens of dyeing).

Poirrier, A., Paris.—Colouring material for dyeing and printing, manufactured from coal tar.

Class 48.—Leather and Skins.

Allain, — (successor to Fevre), Paris.—Goat-skins, tanned for the manufacture of boots and shoes.

Arthus, F., Paris.—Varnished and other kinds of leather for bootmakers.

Basset, A., Paris.—Calf-kid, black, shiny, dull and coloured, for bootmakers.

Bayvet et Petitpont, Paris.—Morocco and calf-kid skins for bookbinders, &c.

Clave, B., Coulommiers.—Strong leather for bootmakers.

Durand, L., Les Fils de., Paris.—Leather, white calf-kid, calf-kid for bootmakers.

Forster, J. H., Paris.—Varnished leather, used for carriages, &c.

Gasquiel et Donzel, Paris.—Frame containing varnished leather.

Giraud, jeune, Paris.—Moroccos, sheep-skins, goat-skins.

Guillouet, —, Paris.—Black leather and pig-skins, for harness-makers.

Marchand, Pere et Fils, Paris.—Calf-kid, dull black.

Massemin et Durand, Paris.—White and black calf-kid.

Meyzonnier, E., et Fils, Ardèche.—Leather for bootmakers; calf-kids, tanned, coloured, &c.

Prevot, Carriere et Fils, Millau, Aveyron.—Black calf-kids, heavy, light; white calf-kid, &c.

Rochier, jun., Lyons.—Goat-skins, tanned for bootmakers.

Schmoll-Dreyfus et Cie., Paris.—Leather, white and black calf-kid.

Trefousse et Cie., Chaumont.—Goat-skins.

Wedeles et Cie., Paris.—French leather, black calf-kid. Marks, anchor and eagle.

Class 49.—Agricultural Implements and Processes used in the Cultivation of Fields and Forests.

Dumont-Carpentier, Gisors.—Report on systems of grinding grain; model of a flour-dresser, patented.

Him et Cie., Paris.—Agricultural and horticultural implements.
 Leclerc, L., Rouen.—Twelve-wheel corn and artificial manure drill.
 Senamaud et Cie., Bordeaux.—Root-pulpers and graters.

Class 50.—Apparatus and Processes used in Agricultural Works, and in Works for the Preparation of Food.

Beaume, —, Boulogne-sur-Seine.—Pumps, for wines, vinegars, oils, and molasses.
 Combet, J., Paris.—Machinery used by confectioners and pastrycooks.
 Lallier, Vernot et Cie., La Ferté sous Jouarre.—Millstones, mill machinery.
 Lecornu, A., Paris.—Apparatus used by confectioners in making paste and sweets.
 Mabillo Freres, Amboise.—Press, cylindrical wine-press.
 Mignon et Rouart, Paris.—Ice-making machines (gas).
 Savalle, Fils et Cie.—Apparatus used for distilling wine, molasses, or the syrups of sugar-canes.

Class 51.—Apparatus used in Chemistry, Pharmacy, and Tanning.

Beaume, —, Boulogne-sur-Seine.—Pumps used in tanneries.
 Laurent et Fils, Paris.—Paper filters, kilted by machinery.
 Pelouze et Audouin, Paris.—A condensing apparatus used in gasworks.
 Darsonville, H., Paris.—Glass measures and apparatus for scientific purposes.

Class 52.—Machines and Apparatus in general.

Beaume, —, Boulogne-sur-Seine.—Pumps.
 Chappee, A., Mans.—Tubes, pumps, boilers, &c.
 Chertemps, A. O.—A roller for hard and soft metals; regulator for an electric lamp, with a focus of 400 candles.
 David, A., Charleville.—A movable forge, with double draught; a light forge, with single draught.
 Durenne, J. F., Courbevoie.—Locomobile perforating-machine.
 Him et Cie., Paris.—Various machinery.
 Noel, N., Paris.—Pumps of every description.
 Paupier, L., Paris.—Weighing-machines, scales.
 Piet et Cie., Paris.—Washing-machines.
 Radiguet, Fils, Paris.—Model of a steam-engine.
 Wohl et Cie., Paris.—Hand-press of great power, for pressing hay, wool, &c.

Class 53.—Machine Tools.

Dugoujon, aine, Paris.—Circular saws, and all kinds of saws for steel work.
 Dye, —, Dijon.—Tools used by jewellers.

Class 54.—Apparatus and Processes used in Spinning and Rope-making.

Le Coustellier, Abbeville.—Hand-made twine, &c.
 Maillard, Fismes, Marne.—Spinning machinery.
 Mironde-Pichart, L., Rouen.—Spinning apparatus, cards.

Class 55.—Apparatus and Processes used in Weaving.

Allart-Rousseau, Fils et Cie., Roubaix.—Parts of machinery for mechanical wool-combing.
 Dacheux, —, Paris.—Machinery showing the process of mixing the different kinds of wool.

Class 56.—Apparatus and Processes for Sewing and for Making-up Clothing.

Berton, J., Paris.—Kilting machines, as used for all kinds of fabrics.
 Cornely, E., Paris.—Embroidering and sewing machines.

Class 60.—Carriages and Wheelwrights' Work.

Binder Freres, Paris.—Carriages.

Desouches, —, Paris.—A patent brougham, a spider phaeton, a Victoria, a frame containing designs of carriages.

Hanzer, J., Petit Jouy.—Bolts and other articles used for carriages; springs, axles, &c.

Jeanteaud, C., Paris.—A two-wheeled dog-cart, a phaeton, buggy with a hood, a waggonette, cloths, lamps, &c., used for carriages.

Kuhn, E., Paris.—Carriage-springs.

Leray, L. M., Bône.—A four-wheeled carriage.

Paupier, L., Paris.—Waggons.

Class 61.—Harness and Saddlery.

Camagni, J., Creusot.—Souffre-chocs, used by people employing horse-power.

Lochet et de Bertrand, Paris.—Dogs' collars.

Class 62.—Railway Apparatus.

Bazin, E., Brest.—Railway signals, moved by electricity.

Boivin, A., Paris.—An electric fire-alarm, an electric target.

Kuhn, E., Paris.—Railway carriage-springs.

Paupier, L., Paris.—Movable rails.

Rattier et Cie., Paris.—A frame containing electric cables.

Class 64.—Apparatus and Processes of Civil Engineering, Public Works, and Architecture.

Couste, J., Paris.—Hoisting apparatus (model).

Grisier, Gaurier, Troyes.—Sample of Roman cement, imitation of marble with gold thread.

Hersent, H., Paris.—An album containing plans concerning the construction of waterworks by atmospheric pressure.

L'Herron, Brest.—Wheelbarrows for earthworks.

Lepaute, —, Paris.—Lighthouse and lighting apparatus.

Ministere de l'Interieur & des Cultes.—Plans and models of public buildings, statistical reports, reports of works by blind, deaf, dumb, &c.; report of works executed by blind, deaf, and dumb; map showing roads and water-courses.

Minister of Public Works.—Models, pictures, books of the roads and viaducts at Pompadour.

Parfonry, F. X., Paris.—Mantelpieces, vases, columns, and table-tops, in marbles of different kinds.

Prefecture de la Seine.—Report on the different works and collections of the city of Paris; historical publications, reports, descriptions, plans, &c., concerning objects of art, public buildings, &c., Paris.

Vallin et Cie., Paris.—Raw and baked gypsime, white cement, common plaster, &c.

Class 65.—Navigation and Life-saving.

Veron, E.—A sailing boat (pleasure boat).

Class 66.—Materials and Apparatus for Military Purposes.

Geneste Herscher, Paris.—Carriage camp-oven, used in the French army.

Class 67.—Cereals, Farinaceous Products, and Products derived from them.

Aboucaya et Zermati, Setif.—Hard wheat-flour, first quality; semolina.

Blanchin, E., Medeah.—Hard wheat and barley for brewers.

Castagliola, —, Medeah.—Case of Italian pastes.

Davaine, J., Nord.—Cereals, and products derived from them, beetroots, flax, potatoes, &c.

Deshayes, —, Havre.—Flour and other products used for bread-making.

Dumoutier, —, Claville.—Wheat, oats, barley, &c.

Geand, —, Medeah.—Indian corn, hard wheat, malt-barley, beans.

Giraud Freres, Blidah.—Wheat, barley, oats, flour, semolina wheat-sheaf.

Jost, —, Medeah.—Hard wheat.

Lagier, Assi-bon-nif.—Indian corn and wheat.

Pepiniere de Medeah, Medeah.—Indian corn, peas, beans, millet seed.

Tournier, J., El Kantour.—Wheat, barley.

Class 68.—Bread and Pastry.

Bierry, A., Montigny-sur-Aube.—Biscuits.
Deschamps, —, Paris.—Biscuits.

Class 69.—Fatty Substances used as Food. Milk and Eggs.

Bessede et Fils, Marseilles.—Bessède's olive oil.
Isnard, P., Nice.—Olive oils.
Masselot, A., Ichou Tagmalt.—Fine olive oil.
Plagnol de Jammes, Marseilles.—Olive oil.
Societe Anonyme d'Alimentation Centrale, Perret.—Alimentary food.

Class 70.—Meat and Fish.

Biardot, A., Paris.—Preserved meats, game, pies, pate de fois gras, soups and extracts of meat.
Marquet Freres, Port Louis.—Sardines in oil.
Societe Anonyme d'Alimentation Centrale, Perret.—Alimentary food.

Class 71.—Vegetables and Fruit.

Agah, d'Ouargla, Medeah.—Preserved dates.
Biardot, A., Paris.—Preserved vegetables and fruits.
Bonfils Freres et Cie.—Preserved truffles.
Prevot, C., et Cie.—Alimentary food.
Tournier, J., El Kantour.—Dry peas, green peas.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Biardot, A., Paris.—Chocolates.
Capgrand-Mothes, A., Paris.—Jams made of quinces.
Chenu, —, Paris.—Confectionery.
Choquart, E., Paris.—Chocolate in cakes, ground chocolate, ground cocoa.
Delizy, Doistau et Fil, Pantin.—Fruits and syrups.
Druelle, Payart, Cocquebert et Cie., Essigny.—Sugar.
Jacquier, —, Ville en Bois.—Alimentary preserves.
Lombart, —, Paris.—Chocolate of all kinds.
Loui Freres, Bordeaux.—Preserved fruits in bottles, chocolate, vinegars, pickles, mustard.
Pernot, G., Dijon.—Mustard.
Quinette et Cie., Clermont-Ferrand.—Preserved and crystallised fruits.
Societe Anonyme d'Alimentation Centrale, Perret.—Alimentary food.

Class 73.—Fermented Drinks.

Adet, Seward et Cie., Bordeaux.—Three cases claret, Vergniaud, VD conjoined; four cases cognac.
Agard, C., de Nard et Cie.—Cognac brandy, in wood and bottle.
Bardinet, P., Limoges.—Liqueurs of different kinds.
Boniere Fils.
Berger, Vve., Brane-Cautenac.—High-class clarets, Chateau de Brane-Cautenac.
Bernard, C., Beaune.—Wines.
Bessede et Fils, Marseilles.—Liqueurs—eucalyptreuse, eucalypsinthe, curaçoa, aniseed, creme de menthe.
Binart, E., et Fils, Braine Aisne.—Binard's bitter anti-feverish liquor.
Boissard, —, Comice Agricole de Medeah.—Wines.
Boiteux, C., La Brasserie de la Mouillère à Besançon.—Beer, at 1d. and 1½d. per glass.
Bouchard, Pere et Fils, Beaune.—Burgundies and Beaujolais wines—red, white, and sparkling.
Bonjour, A., Chaprais.—Aniseed water and Kirsch, 1875.
Bonjour, C., Besançon.—Alcohol distilled from vine grapes.
Bourgeois et Lyoen.—Chambertin, Meursault, and sparkling Volnay.
Brenot, V., Barthel et Cie., Dijon.—Volnay, Pommard, Meursault, Musigny, &c.
Bruchaut et Cie., Gondrin.—Cognac brandy, 1865, 1858, 1848.
Callard, jun., et Cie., Lyons.—Fine champagne, prunelle liqueur.
Chambre de Commerce de Beaune, Côte d'Or.—Burgundies.
Chapuis et Cie., Lyons.—Liqueurs.

Chasteigner, Le Vicomte de, Paris.—Clarets from the Chateau Falfax, near Bourg sur Gironde.
Chevrier, E., Havre.—Havrais bitters.
Clicquot, E., Rheims.—Champagne wines.
Clouzet, F.—Red wines, from the Chateau Cazalet à Pessac.

Croizet, B., St. Mème.—Cognac brandy.
Cruse, Fils et Freres.—Bordeaux clarets, Chateau Lanjac, Pontet Canet, Giscours, Leoville, Larose, Margaux, Lafitte, Yquem.
Cusenier, E., Fils et Cie., Paris.—Liqueurs, kummel, menthe, &c.
Delizy et Doistau Fils, Pantin.—Liqueurs and alcohols.
Dellard, V., Lunel.—Muscat Lunel wines, 1873.
Deschamps, —, Paris.—Orange wine.
Dethan, E., Paris.—“High Life” and “Fleur Mousseuse” cognacs.
Digeon, —, Neubourg.—Sparkling cider; perry brandy, distilled from cider.
Dubois, P., et Cie., Bordeaux.—Pauillac wines, Chateau Larose Sauternes, cognacs.
Dupit, T., Bordeaux.—“Vin Aperitif”; old Kirch liqueurs.
Duquenet, G., Paris.—Red and white wines, cognacs, fine champagnes.
Durand, D., Paris.—Wines, from Chateau Rausan-Ségla, 1874, 1875, 1876, 1877.
Escande, E., Toulouse.—White and red wines, old Vermouth brandy, alcohol.
Escande, E., Toulouse.—Trappist du Val St. Marie du dessert liquor, wines and liqueurs.
Ferand, E., Segonzac.—Arrond de cognac, Charente cognac, fine champagne, red wine.
Fisse, Thirion et Cie., Rheims.—Champagne.
Fleury, C., Medeah.—White and red wines, Cassis of Medeah.
Fourgeand et Lacoste, Perigueux.—Assorted liqueurs and elixir des Vosges.
Galland, S., Vienne.—Curaçoa and liqueurs.
Ge-Dufaut et Cie., Pierry.—Champagne.
Gomant, C., et Cie., Paris.—Brandy and cognac.
Goulet, H., Rheims.—Champagne.
Grellet, C., Kouba.—Dry and sweet white wine, muscat wine, red wine.
Guasco, —, Blidah.—Liqueurs of Blidah.
Guichard Potheret et Fils.—Burgundies.
Guillemot, P., Dijon.—High-class wines, Clos Vougeot, and Chambertin.
Hautberg, A., Beaune.—Chablis Beaune, Chambertin, Clos de Bèze.
Krug et Cie., Rheims.—Champagnes, private Cuvée.
Laboure-Gontard, Nuits.—Wines, Clos Vougeot, Romanée, Nuits.
Lacaux Freres, Limoges.—Dry and sweet bitters, kirchenwaser distilled from the cherries of the limousin, liqueurs.
Lalande, A., et Cie., Bordeaux.—Clarets.
Largeteaux, aine, Bordeaux.—Wines from the district of Nanau à Lamont Gironde, 1874, 1875, 1876.
Latour, L., Beaune.—Chablis, Meursault, Montrachet.
Luzet, L., Haute Saone.—Kirsch, 1860, 1862, 1872, 1875.
Marchand Freres, Paris.—Liqueurs, bitters.
Martin, F. L., et Cie., Surgères.—Four bottles cognac.
Martin Troisvallets, Beauvais.—Oise la Beauvaisine (new liqueur).
Maupetit, A., Limogés.—Maupetit's “grand liqueur,” assortment of French liqueurs.
Mele Freres, Algiers.—Quinquina, vermouth, bitters, liqueur made from mandarines.
Meukow, A. C., et Cie.—Cognac brandy.
Montheuil et Fils, Bordeaux.—Twelve bottles very old red wine.
Montoy, L., Beaune.—Beaune “clos des avaux.”
Mugnier, F., Dijon.—Burgundy, crème de cassis de la coté d'or.
Noetinger, T., Douera.—Red wines, 1877, 1878, 1879; brandy, 1879.
Perrier, J., Fils et Cie., Chalons-sur-Marne.—Champagne white wines, sparkling and still.
Polack, C., Dijon.—Volnay, 1874; Pommard, 1874; Nuits, 1874.

Preller, G., et Cie., Bordeaux.—Clarets, sauternes, chablis, French and foreign liquors.

Regnier, J., Dijon.—Red and white Burgundies, sparkling wines.

Robert, A., Aire sur l'Adour.—Armagnac.

Roederer, T., et Cie., Rheims.—Champagne, gold top.

Roy, G., Margaux.—Bordeaux wines, Chateau d'Issan wines.

Saillies-Clerget, Beaune.—Mercurey Beaune, vin blanc Pouilly.

Santi, I., St. Emilion Domaine de Camus.—Various red wines; Clos Fourtet, 1870; Camus, 1870; first and second growth St. Emilion.

Sazerac de Forge et Fils, Cognac.—Brandies, 1820, 1876.

Thevenot, —, St. Denis du Sig.—Common wine of the country.

Tournier, J., El Kantour.—Red and white wines, brandy distilled from wines.

Vergnette-Lamotte, Beaune.—Meursault Genévrières, Pommard.

Class 75.—Conservatories and Horticultural Apparatus.

Beaume, —, Boulogne sur Seine.—Pumps and watering tubs, lawn-mowers.

Sohier et Cie., Paris.—Kiosks for gardens, garden seats, rustic-work.

Class 82.—Mining and Metallurgy.

Bayeux, —, Paris.—Cast steel files, copper works for the navy, lockware, chains, cables.

Compagnie des Carrieres de Marbre et de Pierres Lithographiques, Paris.—Lithographic stones, white marble.

Christofle et Cie., Paris.—Nickel and its alloys.

Claude, E., Darney.—Iron spoons and forks.

Depensier, Paris.—Iron-ware and lock-ware, for furniture.

Gallais, —, Paris.—Gilded and nickelled nails, for furniture.

Hubert, Lechanteur, Brezol et Cie., St. Marceau.—Nails used in the navy, and by builders, carpenters, &c.

Japy Freres et Cie., Paris.—Household and furnishing iron-ware; household articles in patent enamelled iron.

Lapierre, Brest.—Samples of granite of different descriptions.

Lepault, L. P. Nouzon.—Locks and fastenings for doors and windows.

Maison et Cie., Bordeaux.—Tin caps used for wine, liquor, and preserved fruit bottles.

Mare et Gerard Freres, Bogny-Braux.—Bolts, nuts, and rivets.

Marga, —, Paris.—Marble chimneys, marble columns —"Languedoc Turquin."

Paublan, —, Paris.—Iron safes of all kinds, patent locks.

Petit-Jean et Fils, Paris.—Baths, buckets, cans, &c.

Societe Anonyme "Le Nickel," Paris.—Nickel crystals, pure nickel ores.

Tangre, E., Paris.—Fenders, perforated sheeting, galvanised iron.

NATIONAL EXHIBITS.

Exhibits of the Minister of the Interior.

Official bulletin from the Ministry of the Interior (10 vols.).

Record of the administrative acts of the prefectures (6 vols.); summary of departmental acts of the year.

Departmental and communal archives; documents from the archives of prefectures, mayoralities, and hospitals; diplomas, charters, &c., to 1789.

Societies for mutual help—statistical tables, documents, annual reports from 1871 to 1878.

Plans and special descriptions of charitable institutions for Blind Youth of Paris, the Deaf and Dumb of Paris, the Deaf and Dumb of Bordeaux, &c.

Gratuitous medicine, maternal charitable societies, crèches; statistical tables, rules, and various documents.

GENERAL ADMINISTRATION.

Number of French population in 1876.

Analysis of the resolutions of the general councils.

Report to the Minister of the Interior on the organisation and powers of the councils of prefectures.

Departmental and communal administration; laws, decrees, jurisprudence, Council of State, Court of Appeal, Ministerial decisions and circulars.

General Dictionary of Administration. Published under the direction of Mr. A. Blanche.

Dictionary of French Administration, by Mr. M. Block.

General review of the administration.

DEPARTMENTAL ADMINISTRATION.

Reports of the prefects, of the departmental commissions, and verbal processes of the deliberations of the general councils (7 vols.).

Plans of departmental buildings, prefectures, sub-prefectures, police barracks, courts of justice, &c.—built from 1870 to 1880, with cost of construction.

Plans of lunatic asylums; statistical table, showing the increase in the inmates of the 107 special asylums for the insane during 1877.

Report on the treatment of the insane.

International congress on the treatment of mental diseases.

Statistical table in reference to assisted children, annual reports of the departmental inspectors, reports of inquiries about assisted children.

Protection of Children of Tender Age.—The law, report of Senator Roussel, medical statistics, and other documents.

Works of public utility.

COMMUNAL ADMINISTRATION.

Financial condition of the communes in 1878 and in 1879 (2 vols.).

Budgets.—Municipal councils.

Plans of communal buildings built from 1870 to 1880, with cost of construction.

The most important works of town road boards from 1870 to 1880.

Album containing the first twenty divisions of the map of France.

Maps.—Various.

Albums of works of art, projected or completed on the country roads.

Construction and keeping in repair.

Designs and models.

Documents concerning the administration of the law of July 11, 1868, relating to country roads (24 vols.).

Plans of hospitals and asylums built from 1870 to 1880.

Albums of plans of hospitals built according to the Collet designs.

Bureaux for charitable objects.

Pawnbrokers' establishments.

Documents relating to public charities.

PENITENTIARY ADMINISTRATION.

Organisation of the penal service and statistical tables.

Maps of the penitentiary service in France and Algeria.

Documents (various).

Album of plans of prisons, with cells.

Models of vans for the removal of the convicted.

Parliamentary inquiry into prisons (8 vols.).

Institutions and works of charity, providence, saving, and mutual help, established by the heads of industrial establishments, or by the workmen.

Statistics, statutes, rules, and other documents.

Exhibits of the Ministry of Public Instruction.

Documents concerning the administration of the Educational Department; books published under the patronage of the Department.

SUPERIOR INSTRUCTION.

Statistical tables.
Books published by the professors—Thesis, Proceedings of the School: High Studies.
Annals and records of the Observatory, Museums.
Photographs, by Pierre Petit.

SECONDARY INSTRUCTION.

Statistical tables, books.
Plans and maps of the colleges.
Designs and models.
Specimens of the scholars' work.

ELEMENTARY INSTRUCTION.

Statistical tables.
Official bulletins, newspapers.

Training schools, lectures from the teachers.
Specimens of the scholars' work.

Needlework.

Designs and models.

Collection of models by Mr. Raraïsson, Society for Elementary Instruction.

PROFESSIONAL INSTRUCTION.

Specimens of work in public and private schools.

Exhibits of the Ministry of the Navy.

Educational books adapted for the instruction of sailors in the navy.

Exhibits of the City of Paris.

Reports concerning elementary instruction.
Plans, maps, and photographs.
Designs from the public schools.
Specimens of scholars' work.
Needlework.

ALGERIAN EXHIBITS.

Class 45.—Agricultural Products, not used for Food.

Guyonnet, M. M., Assi-bon-Nif.—Sample tobacco, cotton, and cotton seeds, 1879.

Class 67.—Cereals, Farinaceous Products, and Products derived from them.

Aboncaya, D., et Zermati, D., Letif.—Flour, coarse and fine; and wheat.
Blauchin, E.—Wheat, semoule, and barley for brewing.
Castagliola, —.—Macaroni, vermicelli, &c.
Giaud, —.—Maize, wheat, barley, and beans.
Giraud Freres.—Flour-blidan.
Giraud Freres, Blidah.—Corn, two sorts; oats; barley, two sorts; flour, four sorts; six samples wheat, three sorts.
Lagier, M. M., Assi-bon-Nif.—Sample corn (soft) and maize, 1879.
Lost, —.—Wheat.
Nursery of Medea.—Maize, eleven sorts; beans, eight sorts; peas—dwarf de Hollande; brush, and millet.

Class 71.—Vegetables and Fruit.

Agha d'Onargha.—Dates, preserved, 1879.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Guasco, J. B. J., Blidah.—Assorted liqueurs.

Class 73.—Fermented Drinks.

Boissard, —.—Red wine, 1878.
Boisset, —.—Red wine, du Nador, 1878-9.
Calmet, —.—Red wine and white wine, 1878; white wine, Muscat dry, red wine, and brandy de Marc, 1879.
Crouzat, —.—Red wine, 1879.
Daudet, J.—White wine, 1873; white wine, sweet, 1879; red wine, 1876 and 1878; liqueur wine, 1879.
Deturche, —.—Red wine, 1879.
Figaro, A.—Red wine, 1879.
Guyonnet, M. M., Assi-bon-Nif.—Red wine, 1879.
Henry, —.—White wine, 1878; red wine, 1878-9; Cassis de Médéa, 1880.
Hougannord, —.—Alfa, Bon Cedraia, 1880.
Lagier, M. M., Assi-bon-Nif.—Red wine, 1879.
Lejeune, —.—Red wine, 1879; and brandy de Marc, 1879.
Lepiney, —.—White wine, sweet, 1877; white wine, dry, 1877; red wine, dry, 1878; brandy de Marc, 1879.
Thiaud, M.—White wine, 1876; red wine, 1879.

NEW CALEDONIAN EXHIBITS.

Class 12.—Photographic Proofs and Apparatus.

Hughan, A.—Photographic views.

Class 16.—Maps, and Geographical and Cosmographical Apparatus.

Joubert, J.—Maps and books.

Class 44.—Products of Hunting, Shooting, and Fishing.

Meyer, L.—Shells.
Wallace, Mrs. J. A.—Shells.

Class 46.—Chemical and Pharmaceutical Products.

Adet, Pelletier et Cie.—Melalencine de Ch Malan (an essential oil).

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Daly, W. J.—Achards.
Gimel, T. de.—Coffee, konakoué.

Class 82.—Mining and Metallurgy.

Adet, Pelletier et Cie.—Nickel ore.
Curcier et Adet.—Antimony ore.
Joubert, J.—Lithographic stones.
Montefiore, O. L.—Specimens, ores, &c.
Morgan, W., et Cie.—Copper ore, balade.

GERMAN EXHIBITS.

Class 6.—Education of Children, Primary Instruction, Instruction of Adults.

- Bretsch, H., Berlin.—Froebel's games and means of occupation, &c., for children; fancy articles in pasteboard and cane.
 Heitmann, E., Leipzig.—Pictures and boards for hanging on the wall for school use; and one map, ethnographical and geographical.
 Hermes, W., Berlin.—Drawing copies, and directions for use.
 Schroder, K., Darmstadt.—Models for mathematical, physical, and technical instruction.

Class 7.—Organisation and Appliances for Secondary Instruction.

- Bavarian Ministry of the Interior on Church and School Affairs, Munich.—Crystal models, &c.
 Fischer, T., Cassel.—School of design, &c.
 Meinhold, C. C., und Sohne, Dresden.—Maps, for instruction in natural history, geography, and drawing.
 Ministry of the Interior of the Grand Duchy of Baden, Carlsruhe.—Treatises, plans of study, &c., of schools for educating artisans, &c.
 Royal Commission of Wurtemberg for Professional Progressive Education, Stuttgart.—Plastic models, busts, flat ornaments.
 Schotte, E., und Co., Berlin.—16 globes, orrery, tellurium.

Class 8.—Organisation, Methods, and Appliances for Superior Instruction.

- Bavarian Ministry of the Interior on Church and School Affairs, Munich.—Plaster casts, for academic instruction.
 Blankenhorn, Dr. A., Carlsruhe.—Books, charts, and different preparations relating to the cultivation of the vine.
 Brandt und Nauroske, Berlin.—Illustrated patent list.
 Ducal Technical High School, Brunswick.—Programme, constitution, and a treatise on the building of this high school.
 German Coast Survey, Hamburg.—Reports and publications.
 Fischer, T., Cassel.—Works on natural history, school of design, map of Germany.
 Keller, H., Darmstadt.—Herbarium for agriculture and forest management.
 Lette-Verein, Berlin.—25 copies of the reports.
 Stroefer, Th., Munich.—Illustrated works.

Class 9.—Printing, Books.

- Braun und Schneider, Munich.—A complete collection of Munich sheets of pictures, in 3 vols.
 Breyman und Hubener, Hamburg.—Illustrated catalogue of machinery for export.
 Ebhardt, F., Berlin.—Berlin book of fashions, newspapers, and different books, &c.
 Förndran, W., Munich.—Oleographs.
 Gaillard, E., Berlin.—Oleographs.
 Glaser, F. C., Berlin.—“Annals of Trade and Building Affairs,” 3 vols.
 Hermberg's Establishment for Lithography and Engraving, Lübeck.—Wine, beer, and liqueur labels.
 Herold Book Depot, Hamburg.—Statistical tables of Hamburg commerce from 1854 to 1877.
 Jager und Schwabenthan, Munich.—Chromolithographs and coloured prints, on architectural subjects.
 Janecke Gebr. und Schneemann, Hanover.—Printers' ink, printing colours, and varnishes.
 Kaufmann, A. und C., Berlin.—Oleographs.
 König und Ebhardt, Hanover.—Printing and engraved work.
 Kurth, A., Leipzig.—Oleographs, copies for painting, and supplements for scientific works.
 Schauenburg, M., Lahr.—Oleographs.

- Schloemp, E., Leipzig.—Different books.
 Schmidtman und Co., Leipzig.—Chromolithographs, in one frame.
 Wurtzburg, H., Berlin.—Oleograph miniatures.

Class 10.—Stationery, Bookbinding, Painting and Drawing Materials.

- Beyer, E., Chemnitz.—Ink.
 Bruggemann, H., Berlin.—Crayon pencils.
 Drewsen, G., Lachendorf.—Paper.
 Faber, A. W., Nürnberg.—Pencils.
 Falke, F. W., Magdeburg.—Albums, maps, pocket-books, and note-books.
 Gonnermann Gebr., Nürnberg.—Brushes for painters, drawing, and medical purposes, &c.
 Guttknecht, J. W., Nürnberg.—Pencils.
 Haber, W., Berlin.—Ink, gum and glue, bookbinders' lac, porcelain and glass cement.
 Hochstein und Weinberg, Berlin.—Patterns of glazed and cardboard paper.
 Hoffsummer Gebr., Düren.—Post, note, writing, printing, and wrapping paper.
 Hosch und Schleicher, Düren.—Post, writing, drawing, and coloured paper, cardboard, &c.
 Joint-Stock Paper Mills of Bautzen, Bautzen.—Printing paper, in rolls; rolls of paper for telegraphy, copperplate and other paper.
 Kubler und Niethammer, Kriebstein.—Printing paper, in rolls; three graphical tables.
 Kullrich, F. F., Berlin.—Photo. albums and leather-work.
 König und Ebhardt, Hanover.—Blank books and note-books.
 Monch und Seiffert, Berlin.—Photo. albums.
 Peipers, W., und Co., Cologne.—Copying books, blank books, &c.
 Peper, J. G., Hamburg.—Book covers, in leather; and bookbinders' work.
 Petersen, E., Berlin.—Lace paper borders and stamped paper objects, &c.
 Scholler, F., und Bausch, Domitz on Elbe.—Printing, writing, coloured, and drawing paper, cardboard, &c.
 Scholler, F. H., Düren.—Printing, writing, coloured, and drawing paper, cardboard, &c.
 Scholler, H. A., Sohne, Düren.—Writing, blotting, wrapping, drawing, and tissue paper.
 Schwalbe, A., Berlin.—Leather-work.
 Schwanhauser, Nürnberg.—Lead, coloured, slate, artists', and pocket pencils.
 Steinbach und Co., Malmédy.—Letter and photographic paper.
 Tetzer, R., Berlin.—Writing ink.
 Vite, F., Berlin.—Album and leather-work.
 Weesenstein Paper Mill “Laferme,” Weesenstein.—Tissue, copying, and other papers.
 Wenderoth, G., Cassel.—Cardboards.
 Wust, C. L., Frankfurt-on-Maine.—Playing cards.

Class 11.—General Application of the Arts of Drawing and Modelling.

- Borgfeldt, J. F., Berlin.—Carved cork pictures.
 Lang's, G., Erben, Oberammergau.—Wood carvings of religious and other subjects.
 Schuppan, G., Berlin.—Seal impressions, in frame.

Class 12.—Photographic Proofs and Apparatus.

- Feilner und Grienwaldt, Bremen.—Photographs.
 Grienwaldt, L. O., Bremen.—Photographs.
 Metzner, C., Cottbus.—Photographs.
 Rotter, G., Dresden.—Photographs and albumine paper.

Class 13.—Musical Instruments.

- Biese, W., Berlin.—Cottage piano.
 Bluthner, J., Leipzig.—Concert, short grand, and cross-strung pianos, of walnut.
 Bruder, W., Sohne, Waldkirch.—Saloon organ and flute-organ, for restaurants, &c.

Burger, H., und Co., Bayreuth.—Two harmoniums.
 Dassel, A., Berlin.—Piano, of grey maple.
 Dorner, F., und Sohne, Stuttgart.—Piano.
 Ecke, K., Berlin.—Cross-strung piano, in walnut.
 Eckermann, C., und Co., Hamburg.—Cross-strung piano, with iron construction.
 Forster, A., Löbau S.—Over-strung piano, in walnut.
 Gebauhr, C. J., Königsberg.—Cross-strung ebony grand, with Erard action.
 Gerhardt, T., Berlin.—Piano.
 Gerstenberger, T., Liegnitz.—Cross-strung concert piano, with repeating action, in walnut case.
 Goebel, W., Stuttgart.—Piano.
 Grotrian, H., Brunswick.—Cross-strung saloon grand, with double repetition action.
 Haslwanter, J., Munich.—Three zithers.
 Heine, F. X., Vöhrenbach.—Orchestrion, with four cylinders.
 Hess, E., Klingenthal.—Accordions.
 Holling und Spangenberg, Leitz.—Piano.
 Hotz, F., jun., Knittlingen.—Mouth harmonicons.
 Hundt, F., Sohn, Stuttgart.—Over-strung piano, black case, in old Gothic style.
 Ibach, R., Sohn, Barmen.—Concert piano, in walnut; concert piano, renaissance, in imitation ebony.
 Imhof und Mukle, Vöhrenbach.—Orchestrion and mechanical piano.
 Irmiler, J. G., Leipzig.—Piano.
 Junge, M. G., Berlin.—Piano ornaments.
 Kanhauser, G. und E., Stuttgart.—Cross-strung piano, with iron frame.
 Kaps, E., Dresden.—Patent grand, in old German style.
 Knake Gebr., Münster.—Piano.
 Kuhla, F., Berlin.—Piano.
 Lindner, J. P., Sohn, Stralsund.—Cross-strung piano, with double iron frame.
 Lipp, R., und Son, Stuttgart.—Concert grand.
 Mand, K., Koblenz.—High cross-strung piano, in Spanish walnut.
 Mayer, J., und Co., Munich.—Piano.
 Neufeld, L., Berlin.—Piano.
 Neumann, F. L., Hamburg.—Piano.
 Pfaffe, J., Berlin.—Concert piano, walnut, with upright strings; medium piano, rosewood, with entire frame of iron.
 Quandt, C. J., Berlin.—High cross-strung piano, with iron frame, of walnut, black ornaments, &c.
 Roenisch, C., Dresden.—Piano.
 Romhildt, L., Weimar.—Piano, with freely suspended iron frame, sounding platform for piano, and stool.
 Rosenkranz, E., Dresden.—Piano.
 Ruppach, R., Hamburg.—Upright piano.
 Schake, H. D., Hanover.—High cross-strung piano.
 Scheel, K., Cassel.—Piano.
 Schiedmayer und Sohne, Stuttgart.—Very small grand, in best walnut case.
 Schilling, F., Stuttgart.—Cross-strung piano, with whole iron frame.
 Schmidt, C., Berlin.—High piano, with iron frame, in walnut case.
 Schwechten, G., Berlin.—High cross-strung piano, of walnut.
 Seller, E., Liegnitz.—English cross-strung short grand.
 Steinmeyer, G. F., und Co., Oettingen.—Three harmoniums of fretwork in oak.
 Strathmann und Joachim, Leipzig.—Concertinas.
 Terletzki, A., Elbing.—Two pairs of harmonium altar bells.
 Tiefenbrunner, G., Munich.—Three zithers, violin, and string melodion.
 Trau Gebr., Heidelberg.—Piano, with iron plate, fine walnut case.
 Westermayer, E., Berlin.—Short grand, and small cross-strung piano.
 Wolff Gebr., Kreuznach.—Set of quartette instruments, six violins, two zithers, ten bows, guitar.
 Zeitter und Winkelmann, Brunswick.—Piano.

Class 14.—Medicine, Hygiene, and Public Relief.

Beck, Dr. B., Carlsruhe.—Straw splints, suitable for the first bandaging of serious wounds, &c.

Bruhs, C. D. C., Hamburg.—Iron bedstead, for the sick.
 Dorffel, P., Berlin.—Eye mirrors and other instruments, for the use of oculists.
 Lipowsky, E., Heidelberg.—Room-douche baths, sheets of photographs of objects used in sick-rooms.
 Messter, E., Berlin.—Optical and mathematical instruments.
 Muller-Uri, L., Lauscha in Thuringia.—Artistic eyes, anatomical models of eye diseases.
 Ramme, F., Hamburg.—Anatomical models.
 Zeiller, P., und Sohne, Munich.—Anatomical models.

Class 15.—Mathematical and Philosophical Instruments.

Berlin Mechanics, Collective Exhibition of, Berlin. Twelve exhibitors:—

BAMBERG, K.—Six optical instruments (theodolites, levelling instruments, two compasses, &c.).
 DORFFEL, P.—Different cases of mathematical instruments.
 HARTNACK, DR., Potsdam.—Three achromatic microscopes.
 HASEMANN UND SOHN, Berlin.—Scales.
 MEISSNER, A.—Optical instruments (sextants, prisms, theodolites, levelling instruments).
 PICHTE GEBR. UND CO., Rathenow.—Lenses, prisms, opera-glasses, and spectacles.
 REIMANN, L.—Six pairs of scales for chemists, and weights.
 SCHIECK, F. W., Berlin.—Six microscopes.
 SCHMIDT UND HANSCH, Berlin.—Nine optical instruments (sacharimeter, spectral apparatus, microscope, &c.).
 STUCKRADT, P.—Standard weights.
 WANSCHAF, J.—Two prisms; sextant, with reflections.
 WASSERLEIN, R., Berlin.—Mathematical instruments.
 Breithaupt, F. W., und Sohn, Cassel.—Mathematical instruments and models, for technical instruction.
 Elster, S., Berlin.—Gas-measuring apparatus.
 Fennel, O., Cassel.—Mathematical instruments (tachymeter, repeating theodolite, levelling instrument, three compasses).
 Hahn, A. und R., Cassel.—Mathematical instruments (repeating theodolite, pair of compasses; sextant, with reflections; microscope).
 Mittelstrass Gebr., Magdeburg.—Sciopicon, with 12 pictures, as instructions; case of mathematical instruments, thermometer.
 Ott und Coradi, Kempten.—Mathematical instruments (miner's theodolite, levelling instrument, graphometer, polar planimeter, ellipsograph).
 Richter und Co., Chemnitz.—11 cases of mathematical instruments.
 Riefler, K., Munich.—Nine cases of mathematical instruments, in aluminum.
 Stollnreuther und Son, Munich.—Portable pair of scales, for adjusting weights, from 1 gr. to 50 kg., by Prof. Dr. V. Jolly.
 Voigtlander und Co., Brunswick.—Telescopes.

Class 16.—Maps, and Geographical and Cosmographical Apparatus.

Fischer, T., Cassel.—Map of Germany.
 Schauenburg, M., Lahr.—Maps.
 Wichmann, E. H., Hamburg.—Map of England.

Class 17.—Cheap and Fancy Furniture.

Ahrens, H., Hamburg.—14 pieces of furniture.
 Ancion, F., und Schnerzel, Berlin.—Set of furniture, ready to put together; and different baskets goods.
 Ballin, M., Munich.—Tester bedstead, carved in the Louis XIV. style.
 Bruhs, C. D. C., Hamburg.—Three iron bedsteads, sick ditto.
 Eggers, H. C. E., Hamburg.—Iron safe.
 Garmisch School of Carving, Partenkirchen.—Carved cupboard and four figures.
 Heinerici, B., Berlin.—Walnut writing-desk and lady's writing-table.
 Hess und Rom, Berlin.—Ten articles of furniture for a gentleman's room.

Hinck, C. H., und Co., Hamburg.—Furniture.
 Ibach, R., Sohn, Barmen.—Ebony piano.
 Kelterborn, R., und Co., Berlin.—Furniture and wood-carvings.
 Krause, F. W., und Sohn, Hamburg.—Furniture for sittingroom.
 Lohler, T., Mannheim.—Mattress-bedsteads, and wire mattresses.
 Lund, F., Bremen.—State wardrobe.
 Mahr, G. C., Hamburg.—Book-case and small hanging cupboard.
 Meyer, L., Dresden.—Five articles of furniture.
 Neuhausen's, J., Berlin.—Billiard-tables.
 Ostertag, J., Aalen.—Three safes.
 Pfaff, J. C., Berlin.—Diningroom and drawingroom furniture, black and walnut.
 Praechtel, K., Berlin.—Two sets of furniture.
 Richter, W., Berlin.—Walnut furniture for dining-room.
 Saxony Industrial Wood Co., Rabenau.—Bent-wood furniture.
 Schlichting, K. F. M., Hamburg.—Sideboard table.
 Schultze, L., Berlin.—Billiard-table, rest for cues, cues, marking-board.
 Stuttgart Manufactory of Furniture and Parquet Floors, Stuttgart.—Six tables of parquet designs, and table of exhibits.
 Turpe, A., jun., Dresden.—Bent-wood furniture.
 Vogts, F., und Co., Berlin.—Furniture.
 Wagner, R., Kaiserslautern.—Fire-proof safe.
 Weber Gebr., Stuttgart.—Furniture.
 Wieske, R., Berlin.—Exhibition case.

Class 18.—Upholsterers' and Decorators' Work.

Aders und Blumberg, Berlin.—Gold beading, picture and mirror frames, &c.
 Brackebusch, G. F., und Sohn, Linden.—Carpets for two or three rooms of the Exhibition.
 Burger und Heinert, Zwickau.—Model of a stucco ceiling-piece.
 Döbelmann, J., Deutz-Cologne.—Gold frame beading, and articles for window decorations.
 Ferrenholtz, G. J., Wesseling-Cologne.—Gold and polished beading, frames, &c.
 Harrass, B., Böhlen.—Patterns of tablecloths, &c.; ornaments for decoration of rooms, in artistic woods.
 Massmann, F., Kiel.—Beading for pictures and for decorative purposes.
 Methlow, E., und Co., Berlin.—Frames, beading.
 Radspieler, F., und Co., Munich.—Mirror and photographic frames, sconces.
 Voeltzkow, H., Berlin.—Frames and bindings, in wood and metal.
 Voeltzkow, G. W., jun., Berlin.—Metal frames, for photographs, mirrors, &c.
 Walter, F., Kehl.—Photograph-frames, gold and polished beading, &c.
 Werkmeister, A., Berlin.—Gold, polished, and baroque beadings.

Class 19.—Crystal, Glass, and Stained Glass.

Bichweiler, R., Hamburg.—Table-glasses.
 Co. for Manufacturing Glass, Mirrors, &c., Fürth.—Mirrors.
 Grosse, E., Wiesau.—Coloured window-glasses.
 Hildebrand, C. L., Hamburg.—47 sets glaziers' diamonds, six etched panes of glass.
 Kraemer, C. H., Bielefeld.—Muslin glasses, artificial roses, &c.
 Stender, H. F. L., Rhüden.—125 glass vessels (painted and unpainted).
 Stolberg Glass Works, Stolberg.—Glassware, table glass.

Class 20.—Pottery.

Bichweiler, R., Hamburg.—Majolica.
 Fischer, Naumann und Co., Ilmenau.—Terralith and terra-cotta figures, attrappes, fancy articles, dolls' articles, and playthings.
 Hanke, R., Höhr.—Articles in clay—vases, jugs, &c.
 Hulsman, E., Altenbach.—Porous water-coolers.
 Hutschenreuther, L., Selb.—Porcelain-ware—flower-pots, &c.
 Kieffer, L. und P., Gebr., Trier.—Nine religious statues, in terra-cotta.

Lonitz, H., Neuholdensleben.—41 different vessels—vases, candelabra, set of china for the table.
 Meissen Royal Porcelain Factory, Meissen.—Porcelain of every kind.
 Merkelbach und Wick, Grenzhausen.—100 finely-ornamented greystone-ware vessels.
 Schomburg, H., und Sohne, Berlin.—Porcelain vessels for chemical purposes, isolators, and grindstones.
 Sinzig Manufactory of Mosaic Tiles and Clayware, Sinzig.—Mosaic clay tiles.
 Thallmaier, F. X., Munich.—Porcelain-ware artistically decorated.
 Tielsch, C., und Co., Altwasser.—Porcelain-ware—vases, vessels, &c.
 Triebner, Ens und Eckert, Volkstedt.—Religious figures, vases, mirror-frame in porcelain.
 Uechtritz und Faist, Schramberg.—200 articles in majolica-ware—vessels, vases, and fancy goods.
 Villeroy und Boch, Mettlach.—Porcelain, Wedgwood, and terra-cotta ware, vessels, &c.
 Wolff, S. und B., Berlin.—Majolica paintings.
 Wolfsohn, H., Dresden.—Porcelain paintings on elegant vessels, for use or ornament.

Class 21.—Carpets, Tapestry, and other Stuffs for Furniture.

Becker, E., und Hoffbauer, Berlin.—Brussels carpets, &c.
 Ehrenhaus, N., Berlin.—Brocaded silk stuff for furniture and curtains.
 Elberfeld Joint Exhibits.—Stuffs for furniture.
 Gevers und Schmidtsche, Schmiedeberg.—Smyrna carpets.
 Knauth und Co., Leipzig.—Caoutchouc covers.

Class 22.—Paperhangings.

Dessauer, A., Aschaffenburg.—Fancy papers.
 Flammersheim und Steinmann, Cologne.—Paperhangings of every kind.
 Peine, G. L., Hildesheim.—Six plates of designs of natural shining and gold hangings, and border decorations.
 Rieschbieter, K., Dessau.—Transparent blinds.
 Schlesinger, M., Berlin.—Fancy papers, with chromo-lithographs in 12 plates.
 Schott, H., Rheydt.—Ornaments and different labels in lithography and variegated printing.

Class 23.—Cutlery.

Dittert, J. E., und Co., Neustadt.—Pocket knives.
 Elberfeld Joint Exhibits.—Cutlery.
 Henckels, J. A., Solingen.—Solvingen cutlery.
 Seim, E., und Co., Obersachsenfeld.—Tinned steel spoons.

Class 24.—Goldsmiths' and Silversmiths' Work.

Berg und Co., Stuttgart.—Gold and silver jewelry, with and without precious stones.
 Hanau Joint Exhibition, Hanau.—Jewels and jewellers' work. Eight exhibitors:—
 BISENGER SOHNE, C., Hanau.
 COLIN SOHNE, C., Hanau.
 GEISSEL UND HARTUNG, Hanau.
 HERTEL UND SOHN, C., Hanau.
 KORFF, G. A., Hanau.
 KURR-SCHUTTNER, C., Hanau.
 STEINBUER UND CO., Hanau.
 VOLTZ-BIER, A., Hanau.
 Koch und Bergfeld, Bremen.—Silver goods.
 Meyen, H., und Co., Berlin.—Silver goods.
 Pausch und Pohl, Berlin.—Silver goods—sets for the table, knives and forks, vessels and jugs.
 Peine, E., und Co., Hamburg.—Studs in gold, silver, ivory, &c.
 Perlbach, H. L., Dantzig.—Amber goods.
 Pforzheim Joint Exhibition.—Goldsmiths' work, in variety. Twenty-eight exhibitors:—
 AUWARTER, K. FUHNER, W.
 BENZ, GEBR. GERWIG UND ZORN.
 BISSINGER UND CO. GULICH, K.
 BUB, FROHNER UND CO. HAUBER, A.
 DILLENUS, K. HAUSCH, M.
 DITTLER, GEBR. HIRSCHMANN UND KOCH.
 DYCKERHOFF, R. KIEHNLE, A.
 EISENMENGER, A. LUTZ, F.

MAYER, G.
MULLER, M.
ROSSLE UND HAUSMANN.
ROTH, J.
SCHEIDER UND DRAIS.
STOFFLER UND FRANK.
Schlesinger, C., Berlin.—Rich jewellery.
Sy und Wagner, Berlin.—Silver table ornament—fruit-dishes, chandeliers, bread-baskets, &c.
Wilkins und Danger, Bremen.—Articles in gold.
Wilkins, M. H., und Sohne, Bremen.—Silver goods—table services, vessels, knives and forks, &c.

Class 25.—Bronzes and various Art Castings and Repousse Work.

Bichweiler, R., Hamburg.—Hammered copper fancy articles; statues in bronze.
Co. for the Manufacture of Bronze and Cast-Zinc Goods, Berlin.—Bronze goods—lustres, candelabra, &c.
Count Stolberg Wernigerode Factory, Ilseburg.—Artistic cast articles of antique, Roman, Gothic, Moorish, and Renaissance styles.
Czarnikow und Busch, Berlin.—Articles in cast-zinc, iron, and bronze—chandeliers, vases, dishes, &c.
Elster, S., Berlin.—Bronzes, enamel painting, &c.
Goliash, G., und Co., Berlin.—Alfénide and fine nickelled goods, plastic galvanized articles.
Henniger und Co., Berlin.—Sets for the table, in galvanized, silvered, and gilded metal.
Iserlohn Joint Exhibition, Iserlohn.—Iron, brass, nickel, and Britannia-metal articles for household use. Eleven exhibitors:—
AURAND UND SUDHAUS, Iserlohn.
CLARFELD UND SPRINGMEYER, Hemer.
EBBINGHAUS, F. W., Letmathe.
FLEITMANN UND WITTE, Iserlohn.
GECK, A. T., Iserlohn.
HOBORN, H., Hemer.
KISSING UND MOLLMAHN, Iserlohn.
LIMBURG FACTORY AND FORGE CO., Limburg.
PRINZ GEBR., Hemer.
RUMPF UND KRUSE, Iserlohn.
SCHMOLE, SOHNE, T., Iserlohn.
Koch und Bein, Berlin.—Vases, different figures, vessels, arms, enamelled iron shields, and portrait in enamel (painted).
Kramme, C., Berlin.—Bronze lamps, sets for smoking, inkstands, &c.
Krohne, E., Berlin.—Bronze goods—candlesticks, dishes, frames, and other articles for use.
Lauchhammer Factory.—Figures, dishes, sets for writing and dining tables, candlesticks, &c.
Lauter, A., Carlsruhe.—Metal goods—gilded, zinc, etched, silvered, &c.—for household use.
Litchtinger, J., und Co., Munich.—Tinware.
Meves, A., Berlin.—Iron and zinc goods of different kinds, for household use.
Munchmeyer, C. A., und Co., Berlin.—Alfénide and German silver table sets, &c.
Ritter, A., und Co., Esslingen.—Plated German silver and table sets, in Britannia-metal, &c.
Schafer und Hauschner, Berlin.—Cast-zinc ornaments, gas and petroleum hanging lamps, fountains.
Waagen, A., und Co., Berlin.—Galvanic bronzed candlesticks, lamps, statuettes, dishes, inkstands, &c.
Winkelmann, H. F., Berlin.—Articles for the table and vessels in German silver.
Zimmermann, E. G., Hanau.—Artistic and useful objects in cast-iron, brass, bronze—figures, busts, candlesticks, &c.

Class 26.—Clocks and Watches.

Becker, G., Freiburg.—Wall, cabinet, fancy, and alarm clocks, &c.
Beyes, F. A., Hildesheim.—Tower clock, and one similar for railway stations.
Fehrenbach, A., Furtwangen.—Three calendar regulator watches.
Haas, J., Schramberg.—12 timepieces.
Hettich, G., Furtwangen.—Four cuckoo and singing-bird clocks.
Jungmans Gebr., Schramberg.—Six wall clocks, and regulators of different kinds.

Lange und Sohne, Dresden.—Gold and silver pocket lever watches, of peculiar construction, &c.
Lauter, A., Carlsruhe.—Regulator clocks and timepieces.
Maurer und Hofler, Eisenbach.—Hanging clocks, timepieces.
Schwer, A., Tryberg.—Regulator clocks and watches.
Wehrle, E., und Co., Furtwangen.—Four flute, trumpet, and singing-bird clocks.
Winterhalder und Hofmeier, Schwärzenbach.—Seven wall and table clocks.

Class 27.—Apparatus and Processes for Heating and Lighting.

Co. for the Manufacture of Bronze Goods, Berlin.—Chandeliers, candelabra.
Elster, S., Berlin.—Gas lustres.
Ende und Devos, Berlin.—Ten lamps and chandeliers for gas.
Flurschein, M., Gaggenau.—Gas regulators, soldering hammers, irons, &c.
Francke, K., Bremen.—Articles for gas and water works.
Kramme, C., Berlin.—17 gas lustres.
Kreuzberger und Sievers, Berlin.—Lustres.
Lauchhammer Works.—Candlesticks, candelabra, articles for firing, &c.
Schafer und Hauschner, Berlin.—Gas and petroleum hanging lamps.
Silbermann und Co., Berlin.—Gas-burners and articles for lighting.
Stadelmann und Co., Nuremberg.—Soapstone gas-burners.
Waagen, A., und Co., Berlin.—Lamps.

Class 28.—Perfumery.

Bohm, G., Offenbach.—Perfumes and soaps.
Cuntze, E., Cologne.—Eau-de-Cologne.
Farina, F. M., Cologne.—Eau-de-Cologne and perfumes.
Farina, J. M., Cologne.—Eau-de-Cologne and perfumes.
Farina, J. M., Cologne.—Eau-de-Cologne.
Farina, J. M., Cologne.—Eau-de-Cologne.
Fievet, K., Cologne.—Eau-de-Cologne and perfumes.
Junger und Gebhardt, Berlin.—Essences, scented and washing waters, soaps, pomades, &c.
Lechner, L., Berlin.—Powder and rouge.
Martin, M. C., Cologne.—Eau-de-Cologne and "Carmeliter-Geist."

Class 29.—Leather-work, Fancy Articles, and Basket-work.

Adler, G., Bucholz.—Pasteboard articles.
American Factory of India-rubber and Celluloid Goods, Mannheim.—Combs, &c.
Ancion und Schnerzel, Berlin.—Basket-work and osier goods.
Buhning, C., und Co., Hamburg.—Smoking-pipes, water-filter, &c., of plastic-porous charcoal.
Dobler, E., und Gebr., Berlin.—Fancy goods in ebonite and celluloid.
Flemming, E., und Co., Schönheide.—Brushes of different kinds.
Junge, M. G., Berlin.—Fancy goods—handkerchiefs, gloves, cigar-boxes, frames, little tables, &c.
Kelterborn, R., und Co., Berlin.—Fancy furniture and carvings.
Manz, F., Oestringen.—Cigar-boxes of different kinds.
Muller, H., Berlin.—Articles in ivory and tortoise-shell.
Pruckner, D., Munich.—Clothes and hair brushes.
Roegner, C. H., Striegau.—Brushes.
Vogel, W., und Sohn, Grandenz.—Clothes, head, hat, furniture, washing, and bath brushes.
Wegner, H., Berlin.—Flower-stands, drawingroom and smoking tables, writing-tables, &c.
Wild, J. C., Idar.—Goods in agate.

Class 30.—Cotton Thread and Fabrics.

Muller, A., Reutlingen.—White and coloured blankets.

Riemann, J. F., Nordhausen.—Bed linen, in satin dimity, damask, coloured, &c.; cloths, aprons.
Schramm, C. F., und Sohn, Heidenheim.—Blankets and covers for drawers, beds, &c.
Thiel, A., Burscheid.—Different covers.

Class 31.—Thread and Fabrics of Flax, Hemp, &c.

Berg, E. F. W., Berlin.—Flax, hemp prepared for spinning, from different countries.
Frohlich und Wolff, Cassel.—Linen and huckaback goods, equipment for tents and camps.
Martin, F. A., und Co., Sorau.—Damask covers, towels, table linen, &c.

Mechanical Cord Factory, Immenstadt.—Strings, common and coloured.

Mechanical Net and Woven Goods Factory, Hzehe.—Fishing-nets of hemp, linen, and cotton yarn; drag-nets, bow-nets, &c.

Saxon Joint Exhibition of Stuffs for Men's Clothing.—Cotton, half-woollen, linen, and half-linen coat and trouser stuffs. Six exhibitors:—

FAHRMANN, C. G., Gross-Schönau.
GOHLE, G. W., Waltersdorf.
HABLER, C. G., und Sohn, Gross-Schönau.
HOFFMANN, C. G., Neugersdorf.
KREUTZIGER und HENKE, Leutersdorf.
MATTIG, A., Gross-Schönau.

Saxon Joint Exhibition of Table-linen, Gross-Schönau.—Table-linen. Six exhibitors:—

BEYER und Co., Zittau.—Linen towels, serviettes, &c.
HANSCH, K. E., Gross-Schönau.—Towels, tablecloths.
HANSCH, C. G., Gross-Schönau.—Tablecloths, &c.
LANGE, J., Waltersdorf.—Tablecloths, napkins.
PAUL, E., Gross-Schönau.—Tablecloths, napkins.
SCHIFFNER, K. H., Gross-Schönau.—Tablecloths.

Saxon Joint Exhibition of Woven Goods.—Glazed linens, cotton, and mixed white and coloured woven goods. Three exhibitors:—

DURNINGER, ABRAHAM und Co., Herrnhut.
NEUMANN, JUN., C. F., Eiban.
WUNSCH, H., Ebersbach.

Siemsen, J., Hameln.—Plaited hemp goods, bags, mats, &c.

Wolff und Speyer, Berlin.—Waterproof sail-cloth covers, for railway carriages, ships, tents, &c.

Class 32.—Worsted Yarn and Fabrics.

Bomann, G. C., Zelle.—Dyed zephyr wool.
Elberfeld Joint Exhibition, Elberfeld.—Wool, half-wool, cotton, silk, and half-silk goods, stuffs, shawls; iron goods, articles of equipment. Twenty-three exhibitors:—

BOCKMÜHL, P. E.—Woollen shawls.
BOEDDINGHAUS, W., und Co.—Zanella.
BREIT, P., und Co.—Buttons.
CLEMEN, H.—Articles for equipment.
DE WEERTH und Co.—Zanella.
DUNCKLENBERG, J. C.—Turkey-red yarn.
ESSER, F., und HAARHAUS.—Steel and iron goods.
FROWEIN, A., und GEBR.—Ribbons, cords, and braids.
GEBHARD und Co.—Silk and half-silk dress stuffs.
GLANZ, BALCKE und STRUMPELL.—Silk and half-silk fancy goods.
HERMINGHAUS und Co.—Zanella.
JUNG und SIMONS.—Zanella.
KRUGMANN und HAARHAUS.—Stuffs for covering furniture.
LEBACH GEBR.—Ribbons, cords, and braids.
MECKEL und Co.—Silk and half-silk dress stuffs.
PETERS, D., und Co.—Zanella.
REIMANN und MEYER.—Silk and woollen goods.
SCHLIEPER und BAUM.—Printed calicoes.
SCHMITS, J., und Co.—Stuffs for covering furniture.
SCHNIEWIND, H. E.—Silk and half-silk dress stuffs.
SCHOELLER, A. und F.—Turkey-red yarn.
SIMONS, J., ERBEN.—Woollen and half-woollen dress-stuffs, &c.
WUSTER, F. W., und Co.—Lasting.

Klein-Schlatter, C. F., Barmen.—Stuffs of wool and cotton mixed.

Saxon Joint Exhibition of Orleans, Reichenau, near Zittau. Three exhibitors:—

MARX, H. R., Seifheunersdorf.—Orleans.
PREIBISCH, C. A., Reichenau.—Orleans.
SCHMITT GEBR., Zittau.—Orleans.

Class 33.—Woollen Yarn and Fabrics.

Delius, C., Aix-la-Chapelle.—Cloths.

Gulpen, J. van, Aix-la-Chapelle.—Cloths.

Berlin Joint Exhibition of Cloths.—Cloths and woollen goods. Six exhibitors:—

CONRADI und FRIEDEMANN, Limbach.—Under-jackets, trousers.

HIRSCH und MARKWALD, Berlin.—Woollen goods.

MAYER, J. F., Eupen.—Unwoven felt cloths.

SAMSON, G., Kottbus.—Woollen goods.

SOMMERFELD, M. und O., Kottbus.—Woollen goods.

WEISSFLOG, E. F., Gera.—Various woollen goods.

Edler, Harry, und Co., Bielefeld.—Nine patent quilts.

Elberfeld Joint Exhibition, Elberfeld.—Woollen goods.

Feuchtenauer, M., und Sohne, Berlin.—Felt for technical purposes.

Greve und Quentin, Osterode, Harz.—Woollen and half-woollen bed and travelling rugs, fine horse-cloths, &c., in jaquard texture.

Greve und Uhl, Osterode, Harz.—Woollen and half-woollen bed, travelling, and horse rugs.

Heerklotz und Thurmer, Döbeln.—Woven upper leathers.

Kantorowicz, R., Berlin.—Bags and covers.

Oppenheimer, S., Würzburg.—Felt shoes and boots, and other kinds of felt.

Reifschneider, P., Glauchau.—Silk, woollen, cotton bed and travelling rugs.

Ruffer, S. B., und Sohn, Liegnitz.—Cloths.

Schramm, C. F., und Sohn, Heidenheim.—Coloured woollen jaquard covers.

Thiel, A., Burscheid.—Half-woollen rugs.

Treftz, J. G., und Sohn, Leipzig.—Cloths.

Class 34.—Silk and Silk Fabrics.

Edler, H., und Co., Bielefeld.—Covers.

Elberfeld Joint Exhibition, Elberfeld.—Silk fabrics.

Mez, K., und Sohne, Freiburg in Baden.—Sewing-silk and net underclothing, &c.

Ohme, C. W., Berlin.—Silk hat plushes for hats, and two silk hats.

Reifschneider, P., Berlin.—Silk bed and travelling rugs.

Thiel, A., Burscheid.—Half-silk rugs.

Class 35.—Shawls.

Elberfeld Joint Exhibition, Elberfeld.—Shawls.

Class 36.—Lace, Net, Embroidery, and Trimmings.

Bacher und Leon, Annaberg in Saxony, Berlin.—Trimmings for ladies' dress, fringes.

Elberfeld Joint Exhibition, Elberfeld.—Trimmings.

Lehmus, C., und Co., Berlin.—Embroidery in wool, silk, pearls.

Plauen Joint Exhibition—650 loom and hand embroideries, white goods, tabour, and appliqué embroideries. Nine exhibitors:—

ALBRECHT und BACHER.
APITZSCH, L.
ERBERT und SOHN.
GUNTHER, L.
HOFFMANN und TROGER.
SCHMIDT, G. F.
WEINDEL, W., und Co.
WELLNER, F. L.
ZSCHWEIGERT, O.

Scharff, R., Brieg.—Carriage trimmings and saddlers' girths.

Stopp, E., und Co., Ehrenfriedersdorf.—Gold and silver trimmings.

Thiele und Steinert, Berlin.—Gold and silver trimmings.

Class 37.—Hosiery and Underclothing, and Accessories of Clothing.

Bielefeld Joint Exhibition of Linens and Under-linen Manufactures.—Gentlemen's shirts, shirt fronts. Four exhibitors:—

EEMEYER GEBR.
KLOCKENBRING und MROSK.
NORDMEYER und KORTMANN.
OERTMANN und BAUMHOFENER.

Busing, J. H., Bremen.—Sunshades and umbrellas.
 Cohn, S., Berlin.—Ladies' and gentlemen's under-
 linen.
 Elkan Gebr., Chemnitz.—Stockings, socks, &c.
 Hartel, H. C., Waldenburg.—Stockings.
 Hillig, C. G., Gersdorf.—Stockings.
 Muhlinghaus, C. P. J., Sohn, Lennep.—
 Knitted under-garments of wool and half-wool, &c.
 Philippsohn und Leschziner, Berlin.—Shirts,
 collars, and cuffs.
 Rosenthal und Co., Göppingen.—Stays.
 Teichmann, M., Leobschütz.—Négligés.
 Wolff und Glaserfeld, Berlin.—Collars and cuffs.
 Zelle Umbrella Factory.—Umbrellas.

Class 38.—Clothing for both Sexes.

Alfermann und Jacobi, Herford.—Suits for
 gentlemen and boys.
 Co. for Manufacturing Gentlemen's Clothes
 (T. B. Flick), Berlin.—Coat.
 Dresden Joint Manufactory for Straw Hats
 and Feathers, Dresden.—Straw hats.
 Feuchtenauer, M., Sohne, Berlin.—Ladies'
 lasting boots, and felt for technical purposes.
 Flatau und Fuchs, Berlin.—Articles of dress
 for ladies and children.
 Heerklotz und Thurmer, Döbeln.—Woven
 upper leathers.
 Herz, O., und Co., Frankfort-on-Maine.—Gen-
 tlemen's and ladies' shoes and boots.
 Kramer und Gratz, Dresden.—Artificial flowers.
 Langenickel, F., Gotha.—Best style of shoes.
 Marthaler, J., Zeitz.—Leather gloves.
 Matthias und Rumpel, Herford.—Sac coats,
 costumes, and trousers.
 Oppelt, A., Seifhennersdorf.—Shoes with wooden
 soles.
 Stern, S., Zweibrücken.—Panama hats.
 Unger, E., Erfurt.—Ladies' and children's shoes.
 Wilke, C. G., Guben.—Woollen felt hats.
 Wolf, S., Mayence.—Ladies' and gentlemen's boots.

Class 40.—Portable Weapons, and Hunting and Shooting Equipments.

Flurschein, M., Gaggenau.—Sample pistols.
 Ganz und Co., Ratibor.—Different weapons.
 German Metal Cartridge Factory, Carlsruhe.
 —Metal cartridges.
 Haenel, C. G., Suhl.—Arms, rifles, and revolvers.
 Leue und Timpe, Berlin.—Rifles and guns.
 Linden Cap & Clay Goods Manufactory,
 Linden.—Percussion-caps.
 Loewe, L., und Co., Berlin.—Revolvers, portions
 and machines for their combination.
 Mauser Gebr. und Co., Oberndorf.—Revolver.
 Sauer, J. P., und Sohn, Suhl.—Arms.
 Von Dreyse, N., Sömmerda.—Infantry arms, with
 block and patent chamber locks; and other arms
 and ammunition.

Class 41.—Travelling Apparatus and Camp Equipage.

Kantorowicz, —, Berlin.—Bags and rugs.
 Roithner, H., Schweidnitz.—Hanging mats.
 Wolff und Speyer, Berlin.—Waterproof tents,
 carpet bags, bread-bags, watering-buckets.

Class 42.—Toys.

Fischer, Naumann und Co., Ilmenau.—Doll
 playthings and other toys.
 Sonneberg Joint Exhibition, Sonneberg.—
 Toys, porcelain, glass, wood, metal, and hardware;
 wire-work, sewing-machines. Thirteen exhibitors:—
 CONTA UND BOHME, Pössneck.
 DIEZ, H. UND B., Sonneberg.
 DORST, J., Sonneberg.
 DRESSEL, C. UND O., Sonneberg.
 ECK, B., Unterneubrunn.
 ENS UND GREINER, Lauscha.
 FLEISCHMANN GEBR., Sonneberg.
 HEINZE, R., Neuhaus, near Sonneberg.
 LINDNER, J. C., Sonneberg.
 LINDNER UND SOHNE, L., Sonneberg.
 MULLER UND STRASSBURGER, F., Sonneberg.
 UNGER, SCHNEIDER UND Co., Gräfenenthal.
 VOGEL, F., Sonneberg.

Wagner, D. H., und Sohn, Grünhainichen —
 Toys, both for instruction and amusement.

Class 45.—Agricultural Products, not used for Food.

Barth, J., und Sohn, Nuremberg.—Preserved
 hops, Bavarian hops, 1st and 2nd qualities of 1879;
 two tables, showing variations in prices of hops
 from 1798 to 1879.
 Cigarette Factory, "Thessalia," of Horwitz,
 J., Dresden.—Cigarettes and tobacco.
 "Compagnie Laferme" Tobacco and Cigar
 Factory, Dresden.—Cigarettes and tobacco.
 Dyhrenfurth, R. L., Jacobsdorf.—Wool fleeces
 and samples of wool.
 Herz, J., Frankfort-on-Maine.—Cigars.
 Hess, J. A., Hamburg.—Cigars.
 Kann, J., jun., Nuremberg.—Hops.
 Keller, H., Sohn, Darmstadt.—Shadow grass and
 clover seed.
 Landfried, P. J., Rauenberg in Baden.—Cigars.
 Le Coq, A., und Co., Darmstadt.—Forest and
 agricultural seeds.
 Loeser und Wolff, Berlin.—Cigars.
 Noll, A., Giessen.—Cigars.
 Osenbruck und Co., Hemelingen.—Cigar-roller
 model.
 Poppe, J. F., und Co., Berlin.—Seeds.
 Riess, J., Gardelegen.—Hops.
 Scharrer, E., und Co., Kannstatt.—Hops.
 Schottler, H. W., Leipzig.—Cigars.
 Thorbecke, A. H., und Co., Mannheim.—Cigars.
 Turkish Cigarette and Tobacco Factory,
 "Sultan," of J. Przedecki, Breslau.—Cigar-
 ettes, tobacco, and paper, &c.
 Von Mens, R., Karlsdorf.—Wool fleeces.
 Wenderoth und Harbers, Bremen.—Extract of
 tobacco lye.
 Zieriacks, H., und Co., Hamburg.—Cigars.

Class 46.—Chemical and Pharmaceutical Pro- ducts.

American India-rubber and Celluloid Fac-
 tory, Mannheim.—Articles in strong india-rubber.
 Associated Rhenish Westphalian Powder
 Mill, Cologne.—Imitations of powder.
 Associated Stassfurt, Leopoldshall, Doug-
 lashall Salt Industry, Stassfurt.—Raw salt
 and products. Twenty-one exhibitors:—
 ANDRAE UND GRUNEBERG, Leopoldshall.
 ASKANIA ACT Co., Leopoldshall.
 ASSOCIATED CHEMICAL WORKS, Leopoldshall.
 BERNHARDI, E., Leipzig.—Chemicals.
 CHEMICAL FACTORY, Harburg-Stassfurt.
 CONCORDIA CHEMICAL FACTORY Co., Leopoldshall.
 DOUGLASHALL, Westeregeln.
 FRIEDRICH'S SMELTING-HOUSE, Leopoldshall.
 HELL UND STHAMER, Schönebek.
 KALI UND STEIN SALT MINE, Douglasshall.
 LINDEMANN UND Co., Stassfurt.
 LOCFASZ, N. F., Stassfurt.
 MAIGATTER, GREEN UND Co., Leopoldshall.
 MULLER, F., Leopoldshall.
 MULLER UND ALLIHN, Leopoldshall.
 NETTE, FAULWASSER UND Co., C., Leopoldshall.
 ROYAL MINE INSPECTION, Stassfurt.
 SALT MINES, Neu-Stassfurt.
 STASSFURT CHEMICAL FACTORY, Stassfurt.
 WUSTENHAGEN UND Co., Hecklingen.
 ZIMMER UND Co., Stassfurt.
 Baden Anilin und Soda Fabrik, Stuttgart.—
 Aniline colours.
 Baerle, Van, und Sponnagel, Berlin.—Water-
 glass, its raw materials, and articles made from it.
 Bruckner, Lampe und Co., Leipzig.—Drugs,
 cut and in powder.
 Brunswick Quinine Works, Brunswick.—
 Quinine, quinine compounds.
 Chemical Factory, Berlin.—Chemical products.
 Devrient, J. E., Zwickau.—Chemicals and artists'
 colours.
 Feilner, J. B., und Grienwaldt, Bremen.—
 Collodium, gelatine for photographic purposes.
 Gademann und Co., Schweinfurt.—Colours.
 Gautsch, J., Munich.—Wax goods.

Haarmann und Reimer, Holzminden.—Vanilin, heliotropin, &c.
 Heyden, Dr. F. Von, Dresden.—Salicylic acid and preparations.
 Heyl Gebr. und Co., Charlottenburg.—Chemical colours.
 Kitzingen Colour Factory, Kitzingen.—Pflug's colouring stock.
 Koerper und Co., Mannheim.—Oils, fats, and lacs.
 Merck, E., Darmstadt.—Chemical preparations.
 Muhle, H. L., und Co., Hamburg.—Train oil.
 Munch und Rieder, Augsburg.—Wax candles, &c.
 Nuremberg Ultramarine Works, Nuremberg.—Ultramarine and its products.
 Oppel, C., und Co., Friedrichshall.—Friedrichshall bitter waters.
 Pfannenschmidt und Kruger, Danzig.—Amber, lac, &c.
 Piedboeuf, J. P., Düsseldorf.—Ultramarine.
 Sachsse, E., und Co., Leipzig.—Etherised oils and essences.
 Schuchardt, Dr. T., Görlitz.—Chemical technical products.
 Schweinfurt.—Ultramarine.
 Von Waitz's Erben, Cassel.—Ultramarine.
 Witte, Dr. F., Rostock.—Dry rennet for whey.
 Wohlfahrt, A., Leipzig.—Colours.
 Ziffer, L., Berlin.—Butter and cheese colouring and preserving powder, cheese rennet extract.

Class 48.—Leather and Skins.

Doerr und Reinhart, Worms.—Calves' leather, lacquered, waxed.
 Freudenberg, K., Weinheim.—Leather, lacquered, waxed; and goats' leather.
 Heinzerling und Co., Frankfort-on-Maine.—Leather, and goods made of it.
 Heyl, K., Worms.—Calves' leather, lacquered, waxed, and the grain cut.
 Leather-work Co., Munich.—Lacquered hides, waxed calfskins, yellow and brown pigskins, &c.
 Mayer, Michel, und Deninger, Mayence.—Leather of various kinds.
 Schill, S., Rentlingen.—Waxed calves' leather.
 Schaller, G., Lahr in Baden.—Morocco skins.
 Waeldin und Huber, Lahr.—Morocco and sheep's leather.
 Wamosy, D., Hamburg.—Lacquered and waxed calfskins.

Class 50.—Apparatus and Processes used in Agricultural Works, and in Works for the Preparation of Food.

Bodenheim, M. B., Cassel.—Beer barrels.
 Boldt und Vogel, Hamburg.—Beer-cooling and fermenting apparatus, and other machinery.
 Fritzner, N., Berlin.—Mechanical bottle locks.
 Ganz und Co., Ratibor.—Looms, &c.
 Hallstrom, F., Nienburg.—Distilling and rectifying apparatus.
 Hirschberg, L., Berlin.—Bottle-corking, filling, and washing machines.
 Kropff, O., Nordhausen.—Ice machines, air-coolers.
 Nagel und Kaemp, Hamburg.—Centrifugal flour-dressing machine, dismembrator, and roller-mills.
 Neubecker, A., Offenbach.—Ice chest and milk-cooler.
 North German Ice Works Co., Berlin.—Ice chests and freezing-machine.
 Schomburg, H., und Sohne, Berlin.—Four porcelain millstones, porcelain insulators, &c.
 Vaas und Littmann, Halle.—Ice machine.

Class 51.—Apparatus used in Chemistry, Pharmacy, and Tanning.

Flurschein, M., Gaggenau.—Chemists' double mill for powders, three juice pressers.
 Ziemann, A., Stuttgart.—Vacuum apparatus for pharmaceutical laboratories.

Class 52.—Machines and Apparatus in general.

Blanke, E. A. R., Frankfort-on-Oder.—India-rubber buffers, hoses, &c.
 Boldt und Vogel, Hamburg.—Rotating pumps, ventilators, cane vices.

Dreyer, Rosenkranz und Droop, Hanover.—Fittings of steam boilers, water-pipes.
 Elberfeld Joint Exhibition, Elberfeld.—Articles of equipment.
 Grether und Co., Freiburg in Baden.—Hose joints.
 Gruson, H., Buckau.—Draw-beams and hydraulic jacks.
 Hall, C. H., Berlin.—Pulsometers.
 Saxon Machine Factory, at Chemnitz.—Steam machine, implement machines, spinning and weaving machines.
 Walther und Co., Kalk-on-the-Rhine.—Safety steam boiler, Root's system.

Class 53.—Machine Tools.

Boldt und Vogel, Hamburg.—Bread and bean cutting-machine; meat-mincing, knife-cleaning, washing and wringing machines, and mangle, &c.
 Flurschein, M., Gaggenau.—Parallel vice, with auger and plane contrivance; shaping-machine.
 Oppenheim, S., und Co., Hainholz.—Emery goods.
 Rischmeyer, H. H., und Co., Hamburg.—Grind-stones and grinding apparatus.
 Saxon Machine Factory, Chemnitz.—Circular and chain saw, lathes, planing, cutting-machine.
 Saxon Machine Factory, Kappel.—Wood elaborating machines of different kinds.
 Wieland, J. F., Hamburg.—Veneer and large sawing-machines.

Class 54.—Apparatus and Processes used in Spinning and Rope-making.

Berg, E. F. W., Berlin.—Spinning-machine, implements for rope and tow making, rolling-machine.
 Brucker und Zinke, Kölln.—English safety quick-match.
 Saxon Machine Factory, Chemnitz.—Different machines.

Class 56.—Apparatus and Processes for Sewing and for Making-up Clothing.

Brause und Co., Aix-la-Chapelle.—Samples of needles.
 Claes und Flentje, Mühlhausen in Thuringia.—Knitting-machines.
 Cramer, W., Saalfeld.—Sewing-machines.
 Frankfort Sewing-Machine Factory, Frankfort-on-Maine.—Sewing-machines.
 Grahl und Hoehl, Dresden.—Patent felt and straw hat press.
 Grimme, Natalis und Co., Brunswick.—Sewing-machines.
 Jipf und Langsdorf, Oberrad.—Hot-air machines for working sewing-machines.
 Koch, H., und Co., Bielefeld.—Sewing-machines.
 Saxon Machine Factory, Chemnitz.—Buck-skin loom, jaquard-machine, stamping-machine.
 Schmidt und Hengstenberg, Bielefeld.—Two sewing-machines.
 Nitsch, O. R., Osterode.—Wringing-machines.
 Nothmann Gebr., Berlin.—Sewing-machines.
 Wertheim, Joseph, Frankfort-on-Maine.—Sewing-machines.

Class 57.—Apparatus and Processes used in the Manufacture of Furniture and Objects for Dwellings.

Grapow, G. D. F., Hamburg.—Hatching-machines.
 Schuster, H. A., Bad Oeynhausen.—Hand-worked press for ridge tiles.

Class 58.—Apparatus and Processes used in Paper-making, Dyeing, and Printing.

Maul, W., jun., Dresden.—Two machines and three patterns.
 Swiderski, P., Leipzig.—Steam printing presses.
 Wollmer, W., Berlin.—Type, finished and unfinished.

Class 60.—Carriages and Wheelwrights' Work.

Blumhardt, C., Simonshaus.—Iron wheelbarrows.
 Ernst, T., Berlin.—Carriage.
 Stein, J., Berlin.—State carriage.

Class 61.—Harness and Saddlery.

Alves Gebr., Berlin.—Whips and sticks.
 German Co. for Shoeing Materials, Berlin.—Machine-forged horse nails.
 Martens und Co., Stralsund.—Patent harness.
 Weidenhammer, G. M., Aglasterhausen.—Whips.
 Wulm und Sohn, Hamburg.—Driving harness.

Class 62.—Railway Apparatus.

Ganz und Co., Ratibor.—Different wheels.
 Iron and Steel Works, Osnabrück.—Railway implements and plans.
 Krupp, F., Essen.—Materials for railway use—axles, springs, wheels; locomotive parts, &c., of steel; steel for tools.
 Saxon Machine Factory, of Chemnitz, Chemnitz.—Different parts of locomotive engines.

Class 63.—Telegraphic Apparatus and Processes.

Atzberger, A., Munich.—Hotel telegraph.
 Naglo Gebr., Berlin.—Telegraph apparatus.
 Schomburg, H., und Sohne, Berlin.—80 porcelain insulators.

Class 64.—Apparatus and Processes of Civil Engineering, Public Works, and Architecture.

Alsen, O. F., und Sohn, Itzehoe.—Six casks of Portland cement.
 Feege, W., und Gotthard, Frankfort-on-Maine.—Portland cement, bridge model, &c.
 Gruson, H., Buckau.—Stone-breaker.
 Iron Industry & Bridge Building Co., Duisburg.—Photographic and pictorial explanations of bridges, &c.
 Lamberty, Servais und Co., Ehrang.—Coloured floor and footpath tiles.
 Lentze, W., Einbeck.—Asphalt, for roofs; and roof model.
 Mannheim Portland Cement Factory (J. F. Espenschied).—Portland cement and samples.
 Prusing, Planck und Co., Holzminden.—Cement samples and apparatus.
 Riedeburg und Moller, Hamburg.—Three rolls of asphalt, for roofs.
 Royal Prussian Examiners' Office for Building Materials, Berlin.—Different apparatus, implements, tests as to solidity.
 Schifferdecker und Sohne, Heidelberg.—Portland cement.
 Stute, J. A. C., Bremen.—Tiles, for floors; brim-tiles, for roofs, of Solling sandstone.
 Toepfer, Grawitz und Co., Stettin.—Portland cement, "Stern."
 Villeroy und Boch, Mettlath.—Tiles and architectural ornaments.

Class 65.—Navigation and Life-saving.

Bucher, M., Leipzig.—Fire extinguishers.
 Flurschein, M., Gaggenau.—Two-plated Baumerster patent rescuing apparatus.
 Frohlich und Wolff, Cassel.—Marquees, fire-engines, and articles for purposes of rescuing.
 Unsoeld, J. F., Kempten.—Two escape-ladders.

Class 67.—Cereals, Farinaceous Products, and Products derived from them.

Bartsch, M., Breslau.—Macaroni and sago.
 Bremer und Fraenkel, Leobschütz.—Malt.
 Hundhausen, R., Hamm in W.—Wheat starch, gluten, and powder.
 Lobeck und Co., Dresden.—Macaroni and vermicelli, chocolate and cocoa powder, cracknels and biscuits.
 North, F., Erfurt.—Macaroni and vermicelli.
 Schomburg, H., und Sohne, Berlin.—Flour produce from porcelain millstones.

Class 69.—Fatty Substances used as Food. Milk and Eggs.

Nageli, Dr. W., Munich.—Milk preserves.

Class 70.—Meat and Fish.

Erasmi, C., Lübeck.—Preserved meat.

Fischer und Schmitt, Höchst-on-Maine.—Gelatin.

Jannasch, H., sen., Bernburg a. S.—Patent preserving salt, preserved meat and fruits.

Mulsow, L., und Co., Hamburg.—Preserved meat, fruits, jellies, vegetables, &c.

Schörke, A., Görlitz.—Vegetable and meat preserves, erbswurst.

Walkhoff, J. H. G., Hamburg.—Preserved fish, sardines, sardelles, herrings, &c.

Class 71.—Vegetables and Fruit.

Erasmi, C., Lübeck.—Preserved vegetables, fruits.

Liefmann, R., und Sohn, Hamburg.—Different kinds of flour in glasses.

Mulsord, L., und Co., Hamburg.—Preserved meat.

Nageli, Dr. W., Munich.—Preserved fruit, milk, and vegetables.

Schörke, A., Görlitz.—Preserved meat.

Steinhardt, J. H. W., Bremen.—Preserved vegetables and fruits.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Bollmann, E. und M., Bremen.—Vinegar of every kind, and liqueurs.

Hauswaldt, J. G., Neustadt.—Chicory meal.

Knigge, H., Herford.—Chocolate and cocoas.

Langen, J. J., und Sohne, Cologne.—Lump sugar.

Lobeck und Co., Dresden.—Chocolate and easily soluble cocoa-powder.

Wolf, W., Speyer.—Chocolate of every kind for eating and cooking.

Wurtemberg Chicory Factory, Stuttgart.—Chicory.

Class 73.—Fermented Drinks.

Beck und Co., Bremen.—Beer.

Bohemian Brewery, Berlin.—German imperial and crown beer.

Bollmann, E. und M., Bremen.—Liqueurs.

Bornmuller, A., Arnstadt.—Aromatic cordial liqueur of Thuringian wood herbs.

Brewery Co., "Moabit," Berlin.—Bottled beer.

Drouven, J., und Co., Coblenz.—Liqueurs.

Ehrhardt Gebr., Schiltigheim.—Bottled beer.

Eisenmann, R., Berlin.—Spirits.

Flensburg Brewery Co., Flensburg.—Light and dark Bavarian beer (stock beer).

Geisel, L., Neustadt a. H.—Bavarian export beer.

German Associated Wine Exhibition.—

Thirty-four exhibitors:—

BLANKENHORN, H., Müllheim.

BUHL, F. P., Deidesheim.

DEINHARD UND CO., Koblenz.

DIETRICH UND CO., Rudesheim.

EWALD UND CO., Rudesheim.

FEIST GEBR. UND SOHNE, Frankfort-on-Maine.

FENDEL, H. J., Lorch.

GRAFF, O., Trarbach.

HENKELL UND CO., Mayence.

HOCHHEIMER CO., Hochheim-on-Maine.

HOEHL GEBR., Geisenheim.

HOMMEL, C., Rappoltsweiler in Alsace.

HUTWOHL, J., Steeg.

JORDAN, L. A., Deidesheim.

JUNG UND CO., Rudesheim.

KEHRMANN, F., Koblenz.

KESSLER, G. C., UND CO., Esslingen, Wurtemberg.

KUPFERBERG, C. A., UND CO., Mayence.

LABROISSE, K., Neustadt-on-the-Haardt.

LANG, F. J., Würzburg.

LANGENBACH UND SOHNE, Worms.

LAUTEREN SOHN, C., Mayence.

METTERNICH-WINNEBURG, PRINCE R., Johannisberg.

MEYER UND COBLENZ, Bingen-on-the-Rhine.

OPPMANN, J., Würzburg.

OPPMANN, M., Würzburg.

ORB UND WEISS, Westhofen, Hess.

RHEINGAU SPARKLING WINE FACTORY, Schierstein.

ROSENSTEIN, B., Wiesbaden.

SILIGMULLER, F. A., Würzburg.

STOCK, J., UND SOHNE, Kreuznach.

TRAVERS, F., Lorch-on-the-Rhine.

VALCKENBERG, P. J., Worms-on-the-Rhine.

VORNBERGER, J. M., Würzburg.

Gilka, J. A., Berlin.—Berlin carraway grain cordial and liqueurs.

Hanoverian Brewery Co., Hanover.—Light and dark beer, for export.

Helmers, C. F. W., Hamburg.—Corn liqueurs, lemonades, and vinegars.

Hildebrand, J., Pfungstadt.—Light and dark export beer, after the Vienna brewing.

Hirschfeld, G., Thorn.—Alcohol and brandies.

Kantorowicz, H., Berlin.—Liqueurs and fruit juices.

Kantorowicz, H., Posen.—Litthau bitters.

Keiler, J. S., Dantzig.—Liqueurs.

Krug, O., Erfurt.—Liqueurs.

Lager Beer Brewery of Schloss-Chemnitz, Chemnitz.—Beer of Vienna, and Pilsen manner of brewing.

Lappe, T., Neudietendorf.—Cordial "aromatique."

Lloset und Forschner, Stuttgart.—Cork stoppers.

Mayer, P., Wertheim.—Cider.

Meyer, E. E., Stadthagen.—Meyer's Swiss Alpine plant bitters.

Muller, A., Bremen.—Beer.

Nageli, Dr. W., Munich.—Liqueurs without foreign additions, spirits, essences.

Posen Spirit Co., Posen.—Spirits.

Rawsendorf, H., Berlin.—Liqueurs.

Rautert, A., Mayence.—Beer.

Ross und Co., Teufelsbrücke.—Lager export, and bock beer.

Schaller, M., Wertheim.—Cider.

Schrombgen, Dr., Kaldenkirchen.—"L'estomac" (medical stomach bitters).

Stahlberg, J. P., Stettin.—Spirits of different kinds.

Stengel, W., Leipzig.—Spirits of different kinds.

St. Pauli Brewery, Bremen.—Export Salvator beer and double brown stout.

Uelzen Brewery Co., Uelzen.—Export beer.

Underberg, A. H., Rheinberg.—"Boonekamp of Maag bitter."

United Brewery of the Hamburg & Altona Innkeepers, Bergedorf.—Beer.

Weltz, H., Speyer.—Bavarian export beer.

Wiesbaden Tinfoil and Metal Capsule Factory (A. Flach), Wiesbaden.—Bottle capsules, britannia boxes, tinfoil, capsule, &c.

Winkelhausen, H. A., Pr. Stargardt.—Liqueurs.

Class 74.—Specimens of Farm Buildings and Agricultural Works.

Agricultural Implements, Utensils, and Carts Co., Berlin.—Agricultural machines, &c.

Dehne, F., Halberstadt.—Boring-machines.

Flurschein, M., Gaggenau.—Crushing-mills, feed-cutters, juice-press, powdering-machine, rescuing apparatus, shaping-machine, vyce.

Grain Separator and Perforated Tin Factory, Kalk, near Cologne.—Six grain separators, different systems.

Gruson, H., Buckau.—Three shot mills, two draw-beams, two hydraulic jacks, stone-breaker.

Kaiserslautern Iron Works, Kaiserslautern.—Wine-press.

Kalk Tool Factory, Kalk.—Grain separators, different systems.

Lanz, H., Mannheim.—Portable horse-whim, steam and hand threshing-machines.

Lauchhammer Joint-Stock Works, Lauchhammer.—Stable.

Machine Factory, "Humboldt," Kalk.—Machine for cleaning grain.

Class 75.—Conservatories and Horticultural Apparatus.

Herbertz, F. A., Cologne.—Lawn-mowers.

Lauchhammer United Works, Lauchhammer.—Fountains.

Tuchtfeldt, A., Hamburg.—Garden water-hoses, fountain-pumps.

Class 79.—Seeds and Saplings of Forest Trees.

Keller, H., und Sohn, Darmstadt.—Forest seeds.

Le Coq, A., und Co., Darmstadt.—Forest seeds.

Class 81.—Apparatus and Processes of the Art of Mining and Metallurgy.

Dynamite Co., Hamburg.—Imitations of explosive materials, electric machines for exploding loaded mines, trains, fusees, wires.

Machine Construction Co., "Humboldt," Kalk.—Two brass mills and two setting-up machines.

Class 82.—Mining and Metallurgy.

Associated Stassfurt-Leopoldshall Salt-works Factory, Stassfurt.

Borchers und Nentwich, Prenzlau.—Charcoal irons, meat-choppers, sausage and kitchen utensils.

Cramer, J. W., und Sohn, Fürth.—Gold leaf, silver, aluminium, and composition.

Dreher, I., Gerresheim.—Wire, wire tack pins, shoe-nails, &c., of iron, brass, or copper.

Dusseldorf Iron and Wire Industry, Düsseldorf.—Wire tacks and fencing-wire.

Eschweiler Co. for Wire Manufacture, Eschweiler.—Wire, twisted, drawn, polished, coppered, &c.

Eschweiler Rolled-iron Works.—Fencing-wire, raw, oiled, and japanned.

Felten und Guillaume, Karlswerk-Mulheim.—Wire, wire ropes, and telegraph cable.

Gobel, E., und Sohn, Eptenode.—Crucibles.

Gundlach Gebr., Gross-Almerode.—Graphite crucibles.

Hagen Joint Exhibition of Small Iron and Steelware Industry, Hagen.—Small iron-ware—spades, hatchets, shovels, forks, &c.

Herrmann, L., Dresden.—Perforated tins of every kind.

Lachmund, H., Ottensen.—Tin plate, japanned, printed, and fretted; and tubs made of it.

Lauchhammer Association Works, Lauchhammer.—Candelabra, vessels, &c.

Piedboeuf, J. P., und Co., Düsseldorf.—Pipes of forged iron.

Radler, J. J., und Sohne, Hildesheim.—Three tower clocks.

Remscheid Joint Exhibition, Remscheid.—Steel and iron ware of every kind.

Stettin Retorts Factory, Stettin.—Retorts.

Stute, J. A. C., Bremen.—Paving-stones of Solling sandstone.

Vorster, R. und H., Hagen.—Small ironware—spades, hatchets, shovels, forks, &c.

Westphalian Wire Industry Union, Hamm.—Wire, twisted, drawn, nealed; tinned zinc, and copper of all thicknesses.

Westphalia Union for Mining, Iron, and Wire Industry, Hamm.—Wire, wire tacks, springs, rivets, screws, nuts, axes, &c.

Zinc Factory Germania, Bremen.—Corrugated galvanised iron, roof tin, &c.

ITALIAN EXHIBITS.

Class 6.—Education of Children, Primary Instruction, Instruction of Adults.

Brogi, Cav. S., Siena.—Natural history specimens.
Cann, Prof. T., Florence.—Course of English language.
Jervis, Cav. G., Turin.—Mineralogy of the Italian mountains, &c.
La Pegna, Cav. A., Naples.—Gymnastic scaffolding.
Monselise, A., Mantua.—“La Mano.”
Monselise, Prof. G., Mantua.—Modern chemistry.
Murano, Municipio de.—Reports on progress of instruction in the museum of stained glass; reports on the Sunday and evening drawing schools.

Class 9.—Printing, Books.

Botta, E., Turin.—Printed works—history, &c.
Dalmazzo, Cav. E., Turin.—Polyglot dictionary by Colonel Luigi Calligaris.
De Angelis, Com., Naples.—Printed works.
Mondovi, G., Mantua.—Printed books and other specimens of typography.
Ricordi, T. di Giovanni, Milan.—Printed music.
Sonzogno, E., Milan.—Printed music.
Tipografia Editrice della Gazzetta d'Italia, Florence.—Australian letters to the “Gazzetta d'Italia,” by Dr. F. Gagliardi.

Class 10.—Stationery, Bookbinding, Painting, and Drawing Materials.

Amosso, B., Biella.—Machine-made paper.
Binda, A., e Co., Milan.—Machine-made paper.
Carcano, C., Maslianico.—Paper.
D'Amico, A. G., Riggio-Emilia.—Rapidigraph.
Diletti, G., Brisighella.—Writing ink.
Galvani, A., Pordenone.—Paper.
Gnocchi, G., Milan.—Writing ink.
Mandoj, L., Bari.—Writing ink.
Orsenigo, F., Milan.—Printing and litho. ink.

Class 11.—General Application of the Arts of Drawing and Modelling.

Colombo, I., Genoa.—Drawing of an hydraulic and vertical hand-press for oil-bearing seeds and paste.
Murano, Municipio de.—Album of classical stained glasses existing in various European museums.

Class 12.—Photographic Proofs and Apparatus.

Borelli, G., Rome.—Photographs.
Brogi, G., e Figlio, Florence.—Photographs.
Ponti, C., Venice.—Megaletoscopia, with table and photographs.
Rossetti, Cav. G., Brescia.—Illustrations of the church “Dei Miracoli” and of the “Loggia” of the town-hall in Brescia.
Tuminelli, L., Rome.—Album of photographs.

Class 13.—Musical Instruments.

Abbate, A., Naples.—Wind instruments.
Grizzi e Niccolai, Florence.—A pianoforte.
Giuliano, V., Naples.—A pianoforte.
Mola, Cav. G., Turin.—Piano and harmonium.
Pellitti, G., Milan.—Wind instruments.
Puppatti, Dr. F., Udine.—Violins, imitations of Stradivarius.
Rosati, L., Pistoia.—Cymbals.
Roeseler, C., Turin.—Vertical piano.
Ruffini, G. B., Naples.—Corde armoniche.
Ruggero, C., e Figli, Naples.—Wind instruments.
Santucci, A., Verona.—Wind instruments.
Trevisan, G., Bassano.—Chords for string instruments.

Class 14.—Medicine, Hygiene, and Public Relief.

Romanin Jacur, Cav. Dr. Leone, Padua.—Plans of hospital for epidemic and contagious diseases.
Sartoris, G., Cremona.—Rupture belts.

Class 15.—Mathematical and Philosophical Instruments.

Cesana, G., Milan.—Case of instruments.

Giusti, A., Venice.—Microscope.

Ponti, C., Venice.—Binocular astronomical and terrestrial telescope.

Class 17.—Cheap and Fancy Furniture.

Arrigoni, V., Milan.—Elegant pieces of furniture.
Bardella Fratelli, Venice.—Console table, carved.
Bedendo, G., Venice.—Table, Louis XIV.
Cavallaro, L. G., Palermo.—Brass and copper bedsteads.
Cattaneo, I., Milan.—Carved furniture, fifth century; designs of the articles manufactured.
Capparucci Fratelli, Rome.—Specimens of column and base.
Dal Todesco, M., Venice.—Bedroom furniture, inlaid writing-table, desk, table, brackets; negro statuettes.
De Lotto, G. B., Venice.—Furniture and ornaments sculptured in wood.
Formiggini e Levi, Modena.—Iron bedsteads and furniture.
Fiorelli, L., Venice.—Bedroom suite.
Garassino, G., e Fratelli, Rome.—Iron bedsteads.
Gamberai, S., Firenze.—Carved cabinet.
Guggenheim, M., Venice.—Cabinets.
Montanelli, E., Ponte Buggianese.—Inlaid bureaux.
Monti, G., Milan.—Furniture of polished walnut.
Morini, F., Florence.—Cabinets, &c.
Noci, G., Rome.—Assortment of furniture.
Panciera Besarel, Cav. V. e F., Venice.—Furniture, carved; furniture, antique style, &c.
Polli, F., Florence.—Small table, inlaid.
Quartara, G., Turin.—A table.
Ravesi, R., e Co., Catania.—Table in cement.
Ricchetti, C., Venice.—Walnut lattice.
Rossetti, A., Rome.—Horn furniture.
Smith, B., Naples.—Carved horn photo. stand.
Secco, A., Bassano.—Marble table and column.

Class 18.—Upholsterers' and Decorators' Work.

Bardella Fratelli, Venice.—Frames.
Bedendo, G., Venice.—Puff tabourets and chairs.
Bernacchi, C. E., Forli.—Frames inlaid with ebony and ivory.
Boncinelli, G., e Figlio, Florence.—Tables, photo. stands, boxes, &c., in Florentine mosaic.
Bosshard, E., Florence.—Frames.
Brambilla, A., Milan.—Furniture, in ebony, with column of hard stone, inlaid with ivory.
Carlini, Signoræ, Catania.—Knitted quilts.
Cecchi, G., Volterra.—Alabaster flowers, vases.
Cecchi, C., Volterra.—Alabaster ornaments.
Cipriani, T., Rome.—Frames.
Compagnia Venezia-Murano, Venice.—Mosaic tables.
Dal Todesco, M., Venice.—Frames.
De Lotto, G. B., Venice.—Frames.
Falcini, A., Florence.—Florentine mosaic tables.
Fattorini, V., Volterra.—Alabaster watchstands and baskets.
Frassinesi, N., Volterra.—Alabaster works.
Frilli, A., Florence.—Alabaster works.
Gatti, Cav. G. B., Rome.—Works in ebony, inlaid with ivory and hard stones.
Grossi, G., Volterra.—Alabaster works.
Landozzi, M., Volterra.—Alabaster works.
Leonori, A., Volterra.—Alabaster works.
Macchioni, —, Volterra.—Alabaster works.
Mariotti e Fantoni, Florence.—Florentine mosaic tables, albums, photo. stands, &c.
Meyer, O., Florence.—Florentine mosaic tables, albums, photo. stands, &c.
Olivieri, L., Venice.—Florentine mosaic tables, albums, photo. stands, &c.
Panciera Besarel, Cav. V. e F., Venice.—Frames.
Pochini, C., Volterra.—Various objects in alabaster.
Roccheggiani, C., Rome.—Mosaic table, with views.
Somasca, F., Rome.—Frames of ebony, with bas-relief.
Societa di Mutuo Soccorso fra gli Operai Indoratori, Naples.—Flower-basket of wood, with imitation porcelain.

Testolini Fratelli, Venice.—A carved frame.
 Vespignani, R., Rome.—Box inlaid with ivory, and ebony frames; imitation of ebony, &c.
 Vichi, F., Florence.—Alabaster works.

Class 19.—Crystal, Glass, and Stained Glass.

Bianchini, T., Florence.—Mosaics, with brass.
 Bosshard, E., Florence.—Looking-glasses.
 Candiani, Cav. M., Venice.—Blown glass imitations of marble and stone.
 Compagnia Venezia Murano, Venice.—Glass candelabras, modern and antique blown glass, &c.
 Dal Todesco, M., Venice.—Looking-glasses.
 Ferro, F., Venice.—Glass, blown glass, venturina.
 Gallandt, L. A., Rome.—Ornamental mosaic works.
 Mina, A., Cremona.—Glass and crystal.
 Murano, Municipio de, Venice.—Looking-glasses.
 Olivieri, L., Venice.—Venetian glasses.
 Radi, L., Murano.—Caldonian candelabra, specimen for mosaics, spur and blown glass.
 Roccheggiani, C., Rome.—Ornamental mosaics.
 Seguso, L., Venice.—Glass articles.
 Societa Musiva Veneziana, Venice.—Ornamental mosaics.
 Taddei, E., Florence.—Mosaics.
 Tarantoni, L., Rome.—Ornamental mosaics.
 Testolini Fratelli, Venice.—Various articles of glass, enamel, and venturina.
 Tommasi e Gelsomini, Venice.—Spur glass.
 Weberbeck, F. e Co., Venice.—Glass beads.

Class 20.—Pottery.

Battaglia, G., Naples.—Artistic ceramic.
 Farina, A., e Figli, Faenza.—Dinner service, in majolica.
 Giustiniani, A., Naples.—Majolica, antique style.
 Galvani, A., Pordenone.—Majolica dinner service.
 Ginori, Manifattura, Doccia.—Works of art in faience, porcelain (Capodimonte style).
 Mazzarelli, B., Naples.—Majolica vases, small candelabras.
 Palagi, T., Florence.—Pottery.
 Tanfani, C., Rome.—Vases in majolica, Etruscan vases, flower-baskets.
 Torelli, J., Florence.—Works of art in faience.
 Zagni, G., Modena.—Various articles.

Class 21.—Carpets, Tapestry, and other Stuffs for Furniture.

Bergomi, G. A., Monza.—Silks and other stuffs for furniture.
 Bedendo, G., Venice.—Stuffs.
 Levera Fratelli, Turin.—Damasks, silks, and other stuffs.
 Sartori Fratelli, Venice.—Damask stuffs.
 Trapolin, G. B., Venice.—Patterns of stuffs.

Class 25.—Bronzes and various Art Castings and Repousse Work.

Arquati, P., Venice.—Work of art in bronze.
 Calvi, C., Rome.—Iron and bronze plates.
 De Luca, C., e Figlio, Naples.—Works of art in cast bronze, bells, bas-reliefs and turn-cocks for machines.
 De Luca, F., Naples.—Forum Farnese, copy from the Neapolitan Museum; candelabras.
 De Poli Fratelli, Vittorio.—Bell of bronze.
 Francolini, T., Florence.—Bronzes.
 Giordani, A., Venice.—Bronzes.
 Guggenheim, M. A., Venice.—Candelabras and children in bronze.
 Lorenzetti, R., Pistoia.—Bronzes.
 Meyer, O., Florence.—Bronzes.
 Nelli, Cav. A., Rome.—Artistic bronzes.
 Ottino, Cav. G., Turin.—Zinc ornaments for buildings.
 Palmieri, G., Don, Venice.—Candelabras and crosses in bronze.
 Scaroni, T., Brescia.—Works of wrought copper.
 Tis, P., Venice.—Plates of wrought metal, in relief.
 Valenti, S., Palermo.—Reproductions of works of art (terra-cotta).
 Zalaffi, B., Siena.—Artistic works in wrought and chased iron.

Class 26.—Clocks and Watches.

Fontana, C., Milan.—Tower clock.
 Sommaruga, I., Milan.—Tower clock.

Class 27.—Apparatus and Processes for Heating and Lighting.

Abbona e Romagna, Moncalieri.—Wax matches.
 Baschiera, L., e Co., Venice.—Wax matches.
 Chiarappa, M., Bari.—Matches.
 Dellacha, A., Moncalieri.—Wax matches.
 Lavaggi, F., e Figli, Trofarello.—Samples of wax matches.

Class 28.—Perfumery.

Acampora, G., Naples.—Perfumery.
 Annibali, E., Bologna.—Hygienic perfumed water—"Della Lupa."
 Baroni, G., Vicenza.—Perfumery.
 Cantono, L., Biella.—Windsor and other perfumes.
 Casamorati, C., Bologna.—Red and white Felsina water.
 De Angelis, G., e Co., Messina.—Essences.
 De Pasquale Fratelli e Co., Messina.—Essences.
 Frecceri, S., Genoa.—Various extracts.
 Gianoli Fratelli, Milan.—Fancy soaps.
 Malvezzi, G., e Co., Venice.—Perfumed rice-powder.
 Meyer, I., San Pier d'Arena.—Glycerine soap.
 Pulle, C., Modena.—Perfumery.
 Ulrich, D., Turin.—Vinaigre de toilette.
 Zampironi, D., Venice.—Toilet vinegar.

Class 29.—Leather-work, Fancy Articles, and Basket-work.

Bellentani, G., Modena.—Baskets.
 Bedendo, G., Venice.—Work-baskets for ladies.
 Gazzani, G., Reggio-Emilia.—Brushes.
 Jovine, A., Naples.—Silk embroidery, with portrait of Victor Emmanuel.
 Marchini, C., Fiesole.—Articles in fine straw.
 Terioli, D., e Figli, Bari.—Pipes.
 Vincenzi, L., Carpi.—Fancy articles.

Class 30.—Cotton Thread and Fabrics.

Brusa e Scotti, Monza.—Damask, mixed cotton, variegated, mogador.
 Clerici, I. F., Novara.—Patterns of cotton dyed of a fine red colour.
 Fossati, L. di G. A., Monza.—Texture in cotton, mogador, fashionable linen, Panama, Japanese, Carolina, &c.
 Gentiluomo, I. V., e Co., Pisa.—Cotton fabrics, Oxford cloth, variegated; handkerchiefs.
 Laviosa, L., e Co., Piacenza.—Dyed and bleached cotton.

Class 31.—Thread and Fabrics of Flax, Hemp, &c.

Aducci, N. di G., Forli.—Hunter's hemp hammock.
 Jovine, A., Naples.—Original works in thread.

Class 32.—Worsted Yarn and Fabrics.

Aducci, N. di G., e Co., Forli.—Woollen stuffs, vigonia, and cashmere.
 Bozzalla, A., e Co., Coggiola.—Woollens.
 Maccari, Pietro, Gandino.—Woollen fabrics.
 Mino, G. e V., Biella.—Woollen cloth.
 Targetti, L., Florence.—Woollen fabrics, beaver shawls.

Class 33.—Woollen Yarn and Fabrics.

Fogliardi, F., Bergamo.—Assortment woollen cloth, felt, wool for manufacture of carpets.
 Liatti, A., e Co., Tavigliano.—Woollen hats.
 Societa Anonima for Manufacture of Hats, Modena.—Caps in knitted wool.

Class 34.—Silk and Silk Fabrics.

Aducci, N. di G., Forli.—Blankets of waste silk for the army, hospitals, colleges; foulards, comforters, silk blankets.
 Cantaluppi, C., Como.—Samples of silk stuffs, taffetas, cloth, faille, satin, duchesses.
 Diena, M. G., Modena.—Specimen of raw silk.

Dolara, A., Como.—Silk patterns.
 Ferrari, F. d'Antonio, Codogno.—Raw silk, green and yellow.
 Marini, P., e Co., Zugliano.—Raw silk.
 Massa, R., Naples.—Sewing silk, raw and worked.
 Orefice e Bianchini, Vicenza.—Satin de Chine, and various silks.
 Pisani, Carmine, Cosenza.—Silk patterns.
 Raiser, D., e Figlio, Udine.—Specimens silk velvets of various colours.
 Santini, E., Osimo.—Raw silk.
 Sartori Fratelli, Venice.—Samples velvet and satin.
 Sinigaglia, E. S., Turin.—Raw silk and organzine.
 Societa Anonima for the Manufacture of Caps, Modena.—Silk caps.
 Societa Anonima for the Spinning of Waste Silk, Milan.—Spun waste silk.

Class 36. — Lace, Net, Embroidery, and Trim-mings.

Barbensi, A., e Co., Florence.—Artistic work in embroidery, Florentine industry.
 Di Lenna, T., Udine.—Gold and coloured embroi-deries.
 Jesurum, M., e Co., Venice.—Large assortment of Venetian laces.
 Majocchi, N., Reggio-Emilia.—Silk veils.
 Sarfatti, C., Venice.—Embroidery on silk.

Class 37.—Hosiery and Underclothing, and Accessories of Clothing.

Bosio Fratelli, Turin.—Patterns of cotton, ribbed.
 Boglietti e Guglielminotti, Biella.—Hosiery, cotton, and wool.
 Baldi, —, Catania.—Woollen stockings.
 Carmano e Bersani, Milan.—Silk and cotton umbrellas.
 Castelnuovo, L., Milan.—Kid gloves.
 Chanal, E., Rome.—Kid gloves.
 Cossia, C. L., Milan.—Gloves.
 Crespi, A., Milan.—Kid gloves.
 Faccio, G., Turin.—Fans.
 Ferralasco, F., e Co., Genoa.—Gloves.
 Finzi, Coen e Pugliese, Mantua.—Furs.
 Gondrand Fratelli, Milan.—Fans.
 Guarnieri, C., Milan.—Gloves.
 Loforte, G., e Figlio, Naples.—Gloves.
 Maggioni, F., Milan.—Gloves.
 Minola, G., e Fratelli, Turin.—Silk and cotton umbrellas.
 Motta, G., Milan.—Umbrellas and sticks.
 Palmieri, C., Milan.—Gloves.
 Peschini Fratelli, Milan.—Gloves.
 Tortora, A., Naples.—Gloves.

Class 38.—Clothing for both Sexes.

Antinucci, S., Rome.—Satin boots, shoes, &c.
 Balada, G., Biella.—Gentlemen's hats.
 Bellentani, G., Modena.—Straw hats.
 Beninati, G. e A., Palermo.—Gentlemen's and ladies' boots.
 Borello e Gallo, Biella.—Hats (felt, rabbit, and beaver).
 Cajoli, Benucci e Co., Florence.—Straw hats.
 De Notaris, S. e L., Naples.—Slippers, shoes, high patent-leather boots.
 Forte, M., Naples.—Boots and shoes.
 Froli Fratelli, Varese.—Boots and shoes.
 Giangrandi, A., Rome.—Stuffs, boots, shoes, ladies' boots; shoes, Charles IX.
 Grienti Fratelli, Palermo.—Gentlemen's coats.
 La Farina, C., Palermo.—Soft felt hats.
 Marchini, C., Florence.—Straw hats.
 Moiraghi, A., Turin.—High boots, for soldiers; hunting waterproof shoes, &c. Moiraghi's invention.
 Muzzini e Ferrari, Modena.—Straw hats.
 Pugelli, A., Como.—Boots and shoes.
 Rumieri, G., Naples.—Silk, straw, and felt hats.
 Rossi, F., Milan.—Riding boots, boots "à la Milan-aise," infantry shoes.
 Scattamacchia, L., Venice.—Trousers with one seam only.
 Shiavoni, A., Bari.—Felt hats.
 Vannetti, F., Florence.—Straw hats.
 Vannucchi, G. B., e Figli, Pistoia.—Boots and shoes.

Class 39.—Jewellery and Precious Stones.

Bedendo, D., Venice.—Mosaics mounted in gold.
 Beretta, S., Rome.—Gilded filigree works.
 Beretta e Fransone, Genoa.—Silver filigree.
 Bianchini, T., Florence.—Collection of stones.
 Boncinelli e Figli, Florence.—Jewellery in Floren-tine mosaic, and specialties in turquoise.
 Casalta, L., Naples.—Corals.
 Civita, A., Florence.—Mosaic jewellery.
 Costa, F. R., Genoa.—Corals.
 De Caro, A., Naples.—Cameos of shells, parure in lava, &c.
 Fasoli, A., Rome.—Roman jewellery, ancient style.
 Fossi, L., Florence.—Jewellery, in silver.
 Francati e Santamaria, Rome.—Jewellery, in Byzantine mosaic and cameos.
 Galbiati Fratelli, Vercelli.—Filigree works, in gilt silver.
 Giojuzza e Giobertini, Palermo.—Coral jewel-ery.
 Mariotti e Fantoni, Florence.—Different stones used in Florentine mosaic; mosaic and turquoise jewellery, specialties in gold and silver.
 Mayer, M., Turin.—Corals, filigree of Genoa, and jewellery in silver.
 Melillo, G., Naples.—Jewellery in cameos, &c.
 Meyer, A., Florence.—Gold and silver jewellery.
 Meyer, O., Florence.—Florentine jewellery and corals.
 Olivieri, L., Venice.—Mosaic jewellery.
 Palomba, M., Naples.—Corals.
 Petrucci, R., Naples.—Parures of coral, cravattes of coral; works in shells, lava, and cameos.
 Radi, L., Murano.—Mosaics mounted in gold.
 Rey, A., Rome.—Samples of Roman beads.
 Sivelli, E., Genoa.—Filigree.
 Taddei, E., Florence.—Mosaic necklaces.
 Testolini Fratelli, Venice.—Works in Venetian Byzantine.
 Torrini, T., Florence.—Mosaic jewellery.
 Venturini, P., Ascoli Piceno.—Work of art in jewellery.

Class 40.—Portable Weapons and Hunting and Shooting Equipments.

Bianco, G., Turin.—Sabres and foils.
 Fiocchi e Co., Lecco.—Fire-arms and cartridge.
 Glisenti, Cav. F., Brescia.—Fire-arms and side-arms.
 Marazzi e Fusi, Lecco.—Revolvers and guns for hunting.
 Mendozza, G., Naples.—Sabres.
 Micheloni, G., Brescia.—Guns for hunting.

Class 41.—Travelling Apparatus and Camp Equi-page.

Aducci, N. di G., Forli.—Hammock, with accessories.
 Franzini, Cav. F., Milan.—Travelling articles.

Class 43.—Products of the Cultivation of Forests, and of the Trades appertaining thereto.

Bernacchi Fratelli, Forli.—Collection of 100 dif-ferent kinds of Italian woods, for the use of agricul-tural and forest schools.

Class 45.—Agricultural Products, not used for Food.

Antonini, A., Venice.—Hemp.
 Anselmi e Marassi, Naples.—Oil from seed.
 Castorina e Parlato, Catania.—Specimen of sumac.
 Ciofi, L., Florence.—Linseed oil.
 Compagna, Baron F., Corigliano, Calabria.—Licorice.
 De Carlo Fratelli, Conegliano.—Vegetable for brooms.
 Doneaud Fratelli, Porto Maurizio.—Oil for light-ing purposes, soap manufacture, and machines.
 Grasso, G., Catania.—Licorice.
 Ingoglia, A., Montevago.—Sumac.
 Italian Society (Limited) for Manufacture of Tobacco, Rome.—Cigars and tobacco.
 Musumeci, G. G., Catania.—Various qualities of licorice.

Class 46.—Chemical and Pharmaceutical Products.

Acampora, G., Naples.—Febrifuge powder, and pharmaceutical products.
 Baroni, G., Modena.—Ferruginous water, and other pharmaceutical and chemical products.
 Banca di Credito Veneto, Treviso.—Ceresina group—various qualities and forms of ceresina.
 Beretta, S., Rome.—Cora powder, for cleaning gold and silver.
 Bernacchi Fratelli, Forli.—Varnish for carved wood.
 Bronchelli, L., Pisa.—Alimentary liqueurs (meat extract).
 Calamari, P., Milan.—Soaps.
 Cantono, L., Biella.—Common soaps.
 Casamorati, C., Bologna.—Perfume—"Aqua di Felsina."
 Caturegli, A., e Co., Bologna.—Blackening.
 Ciofi, L., Florence.—Common soap; refined tallow and lard, for perfumery.
 Conti, L., e Figlio, Leghorn.—Perfumed soaps.
 Cristofoli, V., e Stellot, P., Venice.—Balsamic oil.
 Curato, G., Naples.—Anti-miasmatic pills.
 Curci, L. G., Bari.—Elixir.
 D'Emilio, —, Naples.—Pharmaceutical products.
 De Pasquale Fratelli e Co., Messina.—Orange, lemon, and bergamot essences.
 De Leonardi, L., Capuzo-Bari.—Candles.
 De Amezaga, F., Genoa.—Samples of ceruse.
 De Angelis, G., e Co., Messina.—Essences.
 Di Stefano, G., Catania.—Chemical products.
 Erba, Comm. C., Milan.—Coffee extract, magnesia, digestive lozenges, tamarinds, medicines.
 Formiggini e Levi, Modena.—Iron bed varnishes.
 Guiffredo e Leotto, Catania.—Almond and castor oils.
 Guzzardi, L. M., Catania.—Chemical products.
 Impresa Pubblici Macelli, Florence.—Albumen and glue.
 Laboratorio Concentramento Sughinella Fabbricazione Tabacchi al Ro, Parco, Turin.—Extract from tobacco.
 Leonardi, Prof. P., Venice.—Medicinal gelatine.
 Luciano, G., Turin.—Essence of mint.
 Malvezzi, G., e Co., Venice.—Starch of wheat, starch of aniline, &c.
 Mazzurana e Co., Bari.—Soap.
 Meyer, I., Genoa.—Common soaps.
 Million, L., Treviso.—Pharmaceutical products.
 Mueller, A., e Co., Messina.—Essences.
 Nardi, C., Leghorn.—Starch of wheat, French and English manufacture.
 Oates, G., e Co., Messina.—Lemon and bergamot essences.
 Peri, G., Florence.—Soaps.
 Ponsetti, A., Turin.—Lozenges.
 Portoghesi, S., Catania.—Pharmaceutical products.
 Radusa Fratelli, Catania.—Citrate of lime.
 Salomone, A., Mondovi.—Wine to reduce fever.
 Spadaro Grassi, Cav. Placido, Catania.—Chemical products.
 Spadavecchia, de Gioja e Co., Bari.—Sulphuric oil.
 Tabernacoli, G., Bari.—Hair dye.
 Ulrich, D., Turin.—Aromatic essences and perfumes.
 Zamboni, G., Verona.—Tincture Perigozzi.
 Zampironi, Dr. G. B., Venice.—Pharmaceutical products.
 Zuccarello, M., Catania.—Chemical products.

Class 47.—Chemical Processes for Bleaching, Dyeing, Printing, and Dressing.

Impresa Pubblici Macelli, Florence.—Albumen, first and second qualities (extracted from blood).
 Massa, Solari e Co., Genoa.—Albumen of blood.

Class 48.—Leather and Skins.

Baluffi, Niccola, e Co., Ancona.—Soles, valonea, white and black leather, cow-hides.
 Bloch e Figli, Milan.—Manufactured leather.
 Narizzano e Gherzi, Genoa.—Leather for saddlery, soles of cow-hide, sheep and goat rough hide.
 Pivato, G., Venice.—Red and white leather for saddlery, soles and morocco for lining purposes.

Praccanica, G., Messina.—Soles of Sicilian leather.
 Sangiorgi Fratelli, Imola.—Leather.
 Zamboni, A., Verona.—Leather for soles.
 Zamboni, G., Verona.—Leather tanned with valonea.

Class 49.—Agricultural Implements and Processes used in the Cultivation of Fields and Forests.

Cuminetti, Cav. F., Albino.—Stones to sharpen scythes.
 Gavazzi, F., Pradalunga.—Stones for sharpening.
 Maffia, A. e V., de Filippo, Naples.—Model of reaper and mower.

Class 52.—Machines and Apparatus in general.

Bornati, G., Brescia.—Bands for machines.
 De Luca, C., Naples.—Cocks for machines.
 De Maria, S., Naples.—Design of an instrument to indicate the velocity of machinery.
 Guggi, G., Laglio, Como.—Wire netting.
 Ulrich, D., Turin.—Asbestos ropes.

Class 55.—Apparatus and Processes used in Weaving.

Negri e Franconi, Milan.—Cards for weaving.

Class 58.—Apparatus and Processes used in Paper-making, Dyeing, and Printing.

Bonetti, Primo, Modena.—Specimen of rags.

Class 59.—Machines, Instruments, and Processes used in Various Works.

Bertea, S., Turin.—Machines for making confectionery.
 Mino, G. B., e Figli, Alexandria.—Machines and tools for the manufacture of goldsmiths' ware.
 Spina, G., Sannicandro, Bari.—

Class 60.—Carriages and Wheelwrights' Work.

Macchi Fratelli, Varese.—A carriage cab landaulette (four wheels).
 Savettieri, G., Palermo.—Carriage lamps.
 Trinci, E., Pistoia.—Four-wheeled vehicle—"Cabrio-milord."

Class 61.—Harness and Saddlery.

Bornati, G., Brescia.—Harness and saddlery.
 Zelotti, G. B., Brescia.—Harness.

Class 63.—Telegraphic Apparatus and Processes.

Serra Carpi, Cav. Prof., Rome.—Apparatus for telegraphic communication, for the use of non-professional operators.

Class 64.—Apparatus and Processes of Civil Engineering, Public Works, and Architecture.

Albanese, A., e Co., Palermo.—Enamelled tiles.
 Buzzi, L. G., Milan.—Divan, two seats, and table with grapes and birds of carved stone.
 Capparucci Fratelli, Rome.—Marble mantelpieces.
 Croze, I. O., Vittorio.—Tiles for flooring.
 Galli, R., Milan.—Table and chairs for garden.
 Ottino, Cav. G., Turin.—Ornaments for roofs and gutters.
 Ravesi, Rosario, e Co., Catania.—Cement tiles for pavement.
 Secco, A., Bassano.—Polished marbles for pavement.
 Tombini, A., Rome.—Cement bricks for pavement.
 Udney, J., Carrara.—Marble slabs from Mr. Udney's own quarries.
 Weiller, J., e Co., Leghorn.—Monumental mason's work.

Class 65.—Navigation and Life-saving.

De Maria, S., Naples.—Drawing of a screw rudder, patented as a method of propelling and steering vessels.
 Fassi, N., e Fratelli, Venice.—A complete gondola, with tent, gondolini, and small boats.

Class 66.—Materials and Apparatus for Military Purposes.

Faverio, P., Maslianico.—Military appointments and metal cartridges.

Ministry of the Royal Marine, Rome.

- A cannon 75 B.R., with self-acting carriage.
- A mitrailleuse, with 31 chambers, carriage and accessories.
- An instrument to gauge projectiles, compasses to gauge the size of cilindro-oval shells.
- Bettolo's complete indicating system.
- Charge No. 1, Bettolo's segment system.
- Charge No. 1, Parodi's segment system.
- De Gaetani's complete indicating system.
- Fusees for perforating shells of old iron, hardened by bronze.
- Fusees of bronze, by Bazzichelli's time system, T and B. No. 1, as above, Bettolo's segment system.
- Ricotti's system.

Class 67.—Cereals, Farinaceous Products, and Products derived from them.

- Arighetti, M., Florence.—Macaroni and pastes.
- Bicchi, A., Leghorn.—Samples of pastes.
- Ferrarini, R., e Fratello, Modena.—Four qualities of rice.
- Gentili, F., Pisa.—Alimentary pastes.
- Ghigliotti Fratelli, Genoa.—Alimentary pastes.
- Malinverni, Cav. S., Vercelli.—Rice and flour.
- Mimbelli, G., Leghorn.—Wheat.
- Montaldo Fratelli, Genoa.—Alimentary pastes.
- Norsa, A. P., Mantua.—Chinese, Novarese, and giant rice.
- Pansini e Gallo, Molfetta.—Alimentary pastes.
- Pantarella, M., Rome.—Alimentary pastes.
- Poggioli Fratelli, Bologna.—Alimentary pastes.
- Ricchiardi, V., Turin.—Alimentary pastes.
- Righi, Ing. P., Modena.—Rice samples.
- Russo Fratelli, Torre Annunziata.—Alimentary pastes.
- Sibilia, A., e Co., Bari.—Chickens' peas.
- Valdonio, C., Piacenza.—Alimentary pastes.

Class 68.—Bread and Pastry.

- Cristofferi, T., Vicenza.—Cake unaffected by change of season.

Class 69.—Fatty Substances used as Food. Milk and Eggs.

- Agostini, Cav. Conte A., Pisa.—Olive oil.
- Arrighetti, M., Florence.—Olive oil.
- Azzone Fratelli e Co., Bari.—Olive oil.
- Capocchiano, F., Molfetta.—Olive oil.
- Ciofi, L., Florence.—Olive oil.
- Compagna, Baron F., Corigliano-Calabria.—Olive oil.
- De Angelis, A., Bari.—Olive oil.
- De Rosa, G., Naples.—Ciavino cheese.
- Doneaud Fratelli, Porto Maurizio.—Fine oils.
- Ferrari, F., Codogno.—Cheese and butter.
- Francesconi, C., Lucca.—Oil.
- Gabrielli, G., Siena.—Oil.
- Giuli, A., Pisa.—Olive oil, from his own farm of Buti.
- Guscetti, Cav. E., Milan.—Cheese and butter.
- Italian Condensed Milk Co., Milan.—Condensed milk.
- Laborel Melini, L., Florence.—Olive oil.
- Longo, D., Bari.—Olive oil.
- Mimbelli, G., Leghorn.—Olive oil.
- Mostedo, G., Milan.—Cheese and butter.
- Rizzi, N., e Co., Milan.—Butter and cheese.
- Tanlongo, Comm. B., Rome.—Oil and sheep's-milk cheese.

Class 70.—Meat and Fish.

- Arrighetti, M., Florence.—Florentine hams and sausages.
- Bassi, M., Bologna.—Italian sausages.
- Bellentani, G., Modena.—Italian sausages.
- Benassati, R., Modena.—Salt meats.
- Bordoni, N., Bologna.—Italian sausages.
- Colombini, G., Modena.—Italian ham and other provisions, in boxes.
- Colombini, U., Bologna.—Italian sausages.
- Del Col e Co., Milazzo.—Alimentary substances.
- De Rosa, G., Naples.—Small salted pigs, in boxes; smoked chickens and meat.
- Falcione, I., Turin.—Smoked sausage of 1877, and fresh sausage.
- Ferrari, A., Ferrara.—Sausage made with Marsala wine.

- Frigieri Fratelli, Modena.—"Zampone," "Capello da Prete," "Mortadella," and ham.
- Frigieri, G., Modena.—Ham, "Mortadella," sausage, and other provisions, in boxes.
- Fusari, A., Altavilla.—Ham.
- Giraldi, P., Turin.—Raw sausages.
- Grosoli, F., Modena.—Salt meats.
- Marretta Fratelli, Palermo.—Preserved meat.
- Mazzoneschi Fratelli, Spoleto.—Camaglione.
- Molinari Fratelli, Modena.—"Mortadella."
- Sangiovanni, Dr. R., Rome.—Preserved meat.
- Societa Bolognese, Bologna.—"Mortadella" and salt meats, in boxes.
- Tacconi, P., Bologna.—Italian sausages.
- Valdonio, C., Piacenza.—Sausages, bacon, lard.
- Zappoli Fratelli, Bologna.—"Mortadella" and sausages.

Class 71.—Vegetables and Fruit.

- Amato Fratelli, Catania.—Fruits preserved in spirit.
- Brancato, O., Catania.—Dry fruits.
- Bornia Fratelli, Treviso.—Preserved vegetables.
- Del Col e Co., Milazzo.—Pickles (capers).
- Marretta Fratelli, Palermo.—Preserved vegetables.
- Maurano, F., Castellabate.—Dry figs.
- Mazzoneschi Fratelli, Spoleto.—Preserved vegetables.
- Milella, M. di Lorenzo, Bari.—Dry figs.
- Sangiovanni, Dr. R., Rome.—Preserved vegetables.
- Tafari, G., Cosenza.—Dry figs.
- Ulrich, D., Turin.—Aromatic spices for the manufacture of Vermouth wine.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

- Amato Fratelli, Catania.—Liqueurs and candied fruits.
- Armenise, Pier D., Bari.—Liqueurs and confectionery.
- Ascione, S., Naples.—Liqueurs; fruits, with maraschino; chocolate, &c.
- Audiffredi e Co., Turin.—Liqueurs.
- Ballor, G., Turin.—Liqueurs.
- Barattucci, G., Chieti.—Liqueurs.
- Barone, G., e Figlio, Trani.—Liqueurs.
- Baudino, E., Turin.—Liqueurs, elixir "Pio IX."
- Bellardi, Domenico e Co., Turin.—Liqueurs.
- Benedetti, B., Rome.—Liqueurs.
- Bergia, C., Turin.—Liqueurs, rhubarb oil.
- Bertea, S., Turin.—Liqueurs and confectionery.
- Bertello, L., Biella.—Liqueurs.
- Biseo, L., Sarnico.—Liqueurs.
- Bornia Fratelli, Treviso.—Vinegars and jam.
- Bosisio, M. C., Milan.—Elixir "Calatafini."
- Branca Fratelli, Milan.—Fernet Branca.
- Brenna, Santo, Como.—Liqueurs.
- Bronchelli, L., Pisa.—Liqueurs.
- Carofiglio, G., Bari.—Liqueurs.
- Cattabriga, M., Badia.—Liqueurs, vinegar.
- Cerami, Principe, Catania.—Vinegar.
- Cerio, C., Udine.—Liqueur "Humbert I."
- Cerrutti Fratelli, Genoa.—Liqueurs.
- Chinaglia, V., Venice.—Chartreuse.
- Cito, F., e Co., Naples.—Liqueurs.
- Clerici, C., Milan.—Liqueurs, Fernet Clerici.
- Cocchi, F., Reggio-Emilia.—Liqueurs.
- Collina, A., Bologna.—Elixir Persiano.
- Colombini, G., Modena.—Balsamic vinegar.
- D'Alessandro, B., Benevento.—"Torrone."
- Dal Medico, B., Padua.—Liqueurs.
- De Gioja Fratelli, Bari.—Tomatoes.
- De Sena, E., Naples.—Liqueur, Elixir Melbourne.
- De Simon, S., Naples.—Alcohol.
- Eboli, N., Bari.—Liqueur.
- Fabi, G., Rome.—Fernet liqueur.
- Fogliano, D., Rutigliano.—Liqueurs.
- Franceschelli, A., Piacenza.—Liqueurs.
- Freschi, A., Cremona.—"Torrone."
- Frigieri, G., Modena.—Balsamic vinegar.
- Galli, A., e Co., Soragno.—Liqueurs.
- Garetti, G., Chivasso-Turin.—Liqueurs.
- Gay e Revel, Turin.—Chocolate à la Santé.
- Genta, G., Turin.—Liqueurs.

Ghedini, G., Ferrara.—Liqueurs.
 Ghizzoni, L., Piacenza.—Liqueurs, Elixir Cairoli.
 Giacobini, C., Fano.—Liqueurs.
 Gianoli, Cav. L. C. A.—Ghemme rum, brandy.
 Giusti, G., Modena.—Balsamic vinegar.
 Giusti, T., Modena.—Vinegar.
 Giustetti, I., Turin.—Liqueurs.
 Grassi, G., Modena.—Liqueurs.
 Gregorin, G., Vicenza.—Brandy and spirit of wine.
 Guerrana, G., Padua.—Euganeo bitter.
 Lesca, G., Turin.—Liqueurs.
 Loreti, A., e C., Rome.—Confectionery.
 Mainero, E., Turin.—Liqueurs.
 Malvezzi Fratelli, Rovigo.—Liqueurs.
 Manzi, A., Naples.—Liqueurs.
 Marassi e Anselmi, Naples.—Spirit of granone (maize).
 Marretta Fratelli, Palermo.—Fruits in syrup.
 Martini, Sola e Co., Turin.—Liqueurs.
 Masserano, P., Biella.—Liqueurs.
 Mazzoneschi Fratelli, Spoleto.—Apricot jam, cherries giulebbate.
 Metzger Fratelli, Asti.—Beer.
 Millions, L., Treviso.—Spirit of maraschino, Rosolio Kirschwasser.
 Molinari Fratelli, Modena.—Balsam of vinegar.
 Monbello, C., Asti.—Beer and liqueurs.
 Montini, P., Fabriano.—Liqueurs.
 Mossone, A., Andorno.—"Ratafia di Andorno," Kirsch.
 Musi, L., Bologna.—Liqueurs.
 Musumeci, M., Arcireale.—Etneo liqueur, millone syrups.
 Normand, L., e Figli, Florence.—Liqueurs, and fruits in brandy.
 Pesoli, D., Rome.—Liqueurs and confectionery.
 Petruccelli, C., e Co., Bari.—Liqueurs.
 Pezzoli, G. B., Padua.—Liqueurs.
 Ponsetti, A., Turin.—Various confectionery.
 Pozzoli, A., Como.—Liqueurs, cream, peppermint.
 Pressante, G., Teramo.—Stomachic liqueur, centerbe (100 herbs).
 Pulzoni, E., Piacenza.—Liqueurs.
 Rappis, Cav. P., Andorno.—Ratafia.
 Robiolio, G., Biella.—Ratafia d'Andorno.
 Rondinella, N., Naples.—Liqueurs.
 Sartoris, R., e Co., Turin.—Liqueurs.
 Scandolera, G., e Co., Modena.—Liqueurs.
 Scarano, M., Bari.—Liqueurs.
 Scaroni, L., Vicenza.—Vinegar.
 Societa Enologica "La Sicilia," Palermo.—Brandy.
 Spada, L., Rome.—Liqueurs, Elixir Spada.
 Tosi Bellucci, Avvocato Cav. Giacomo, Modena.—Preserved fruits in vinegar.
 Ulrich, D., Turin.—Liqueurs.
 Viti, A., Cremona.—Mustard, torrone, and sweets.
 Vittone, D., Milan.—Liqueurs.
 Ziliani, C., Milan.—Vinegar.

Class 73.—Fermented Drinks.

Arrighetti, M., Florence.—Tuscan wines.
 Ascione, S., Naples.—Vermouth wine.
 Audiffredi e Co., Turin.—Vermouth wine.
 Ballor, G., e Co., Turin.—Vermouth wine.
 Baudino, E., Turin.—Vermouth wine.
 Barone, G., e Figli, Trani.—Wines.
 Basso, C. F., Catania.—Wine from Catania.
 Bellardi, D., Turin.—Vermouth.
 Benedetti, B., Rome.—Vermouth wine.
 Bertello, L., Biella.—Vermouth wine.
 Berteau, S., Turin.—Vermouth wine.
 Borel o e Degiorgis, Turin.—Vermouth wine.
 Bergia, C., Turin.—Vermouth wine, and Vermouth with quinine.
 Branca Fratelli, Milan.—Wines.
 Brenna, S., Como.—Vermouth wine.
 Caprani, G. A., Naples.—Marsala wine.
 Cattabriga, M., Badia.—Vermouth wine.
 Cavallone, G., Crescentino.—Vermouth wine.
 Cerami Principe, Catania.—Sicilian wines.
 Cerami, R., Catania.—Sicilian wines.
 Ceria, C., Udine.—Vermouth wine.
 Cerutti Fratelli, Genoa.—Vermouth wine.
 Chinaglia, V., S. Dona di Piave.—Vermouth wine.
 Cinzano, F., e Co., Turin.—Vermouth wine.

Cito, F., e Co., Naples.—Laureto wine.
 Clerici, C., Milan.—Vermouth wine, and Vermouth with quinine.
 Compagnia Vinicola Siciliana, Palermo.—Marsala dei Principi, Moscato of Siracusa and Malvagia.
 D'Ali e Bordonaro, Palermo.—Marsala wines.
 Da Schio, Conti Fratelli, Vicenza.—Custoza wine.
 Debenedetti, C. C., Cuneo.—Barolo wine.
 De Col e Co., Milazzo.—Marsala wine.
 De Salvo, S., e Figli, Catania.—Sicilian wines.
 Emanni, Principe, Catania.—Sicilian wines.
 Gagna, Cav. Prof., e Cugini, Monforte Alba.—Barolo wine.
 Galli, A., e Figli, Soragna.—Wine (Santo Secco di Soragna), Malvasia and Vermouth wine.
 Garretti, G., Chivasso.—Vermouth wine.
 Genta, G., Turin.—Vermouth and Barolo wines.
 Georgis, G., Cuneo.—Barbera wine.
 Giaccone e Anselmi, Marsala.—Wines of Marsala.
 Gianoli, Cav. I. C. A., Ghemme.—Choice Ghemme wine, white, dry, bitter.
 Giustetti, I., Turin.—Vermouth, Nebiolo, Passito, and Caluso wines.
 Guffanti, A., Rovescala.—Wines from Piedmont.
 Guerrieri, C., Castel S. Pietro.—Sauvignon and Carbinet wines.
 Ingoglia, A., Montevago.—Wines from Sicily.
 Isnardi, A., Genoa.—Vermouth wine.
 Laborel, M. L., Florence.—Chianti wine, Chiaretto wine.
 Lesca, G., Turin.—Vermouth wine.
 Meinardi, G., Turin.—White wine and tonic red wines.
 Mainero, E., Turin.—Vermouth wine.
 Mannino, B., Catania.—Sicilian wines.
 Manzi, A., Naples.—Neapolitan wines.
 Marstaller, Zubblin e Co., Bari.—Baresi wines.
 Martini e Co., Turin.—Vermouth wine.
 Masserano, Sola e Co., Biella.—Common white and black wines, choice white and black wines.
 Menotti, P., Aquil.—Wines.
 Metzger, D., Asti.—Barolo, Barbera, and dry white sparkling wines.
 Mimbelli, G., Leghorn.—Common wines, Aleatico, and muscat.
 Minuttillo, P., Bari.—Wines.
 Monbello, C., Asti.—Asti wines.
 Montadone, E., Catania.—Sicilian wines.
 Montini, Cav. P., Fabriano.—Vermouth wine, and Vermouth with quinine.
 Novello e Fontani, Genoa.—Vermouth and Kaiser wines.
 Papadopoli, Conti N. e A., Venice.—Wines from San Paolo di Piave.
 Pastore, C. e F., Fratelli, Borgo Manero.—Wines.
 Patalano, M., Fratelli, Naples.—Neapolitan wines.
 Peirano, Cav. A., Genoa.—Gold Conegliano ligure wine.
 Peratoner, A., e Figli, Catania.—Wines from Sicily.
 Pulle, Conte C., Modena.—Wines.
 Raciti Fratelli, Catania.—Sicilian wines.
 Righetti, E., Modena.—Wine.
 Rosso, Tedeschi, Catania.—Sicilian wines.
 Ruffi e Tosi, Rimini.—Wine, "Sangiovese."
 Sagramoso, Conte P., Verona.—"Valpolicella" wine.
 Salaparuta, Duca, Palermo.—Sicilian wines.
 Salomone, A., Mondovi.—Vermouth, Caluso wines.
 Sartoris, R., e Co., Turin.—Wines.
 Scala, G., Naples.—Choice wines.
 Scala, P., Naples.—Red and white Capri wine, Malvasia, Falerno, muscat of Syracuse, Greco, Girace, Lachryma Christi, red and white Gragnano.
 Scotti di Vigoleno, Conte Douglas, Piacenza.—White Gragnano wine.
 Secco Fratelli, Ceva, Cuneo.—Wine.
 Societa Casteldaccia, Palermo.—Sicilian wines.
 Societa Enologica, Naples.—Sicilian wines.
 Societa Enologica, "La Sicilia," Acireale.—Vermouth and Sicilian wines.
 Sonto, S., Catania.—Wines from Sicily.
 Spada, L., Rome.—Vermouth wine, Melburgo wine.

Strutt, A., Rome. — Civita wine, red and white Lavina wine.
 Tanlongo, Comm. B., Rome. — Wines.
 Tritta, D., Trani. — Wines.
 Unione, E., Asti. — Sparkling Asti wine.
 Ulrich, D., Turin. — Vermouth wine.
 Vittone, D., Milan. — Vermouth wine.
 Zublin, Marstaller e Co., Bari. — Wines.

Class 74.—Specimens of Farm Buildings and Agricultural Works.

Villanis, Paolo, Turin. — Plans and designs of a model of an Italian farmhouse, dedicated to the Hon. W. J. Clarke, M.L.C.

Class 81.—Apparatus and Processes of the Art of Mining and Metallurgy.

Pezzali, M., Tavernelle. — Mineral industry of hygiene.

Class 82.—Mining and Metallurgy.

Algostino, G. B., e Figli, Turin. — Pudding-shapes, boiler of wrought copper.

Biondetti, Gaspare, Venice. — Samples of marble.
 Cesena Sulphur Co., Cesena. — Samples of sulphur.

Chambers of Commerce and of Arts, Girgenti. — Rock salt from the Bakalmuto mines.

Croze, Ingegnere Ottavio, Vittorio. — Sample of cement.

Floristella, Baron, Catania. — Sulphur.

Glisenti, Cav. F., Brescia. — Natural wrought steel.

Mantegna, Benedetto Principe di Gauci, Palermo. — Purified and refined sulphur.

Mazzini Marchesi Fratelli, Milan. — Metallic capsules.

Ottani, G., Bologna. — Shot, balls, and strips of lead.

Pulle, Conte Ingegnere G., Porto-ferraio. — Minerals from Elba; corographic map of the island.

Radusa Fratelli, Catania. — Samples of sulphur.

Rizzella, N., Catania. — Grain sulphur and flowers.

Ravesi, R., e Co., Catania. — Sample of cement.

Societa Terre Bolari, Siena. — Red and yellow earth.

Ulrich, D., Turin. — Asbestos.

JAPANESE EXHIBITS.

Class 6.—Education of Children, Primary Instruction, Instruction of Adults.

Mombusho, Department of Public Instruction, Tokio.

Laws, decrees, and notifications on matters of general education of the people; reports and statistics of education in general.

Rules and regulations of public and private schools.

Infant training—toys and instructive objects for use.

Maps, charts, apparatus, text-books, &c.

Chairs and tables, for schoolrooms.

Regulations and catalogues of principal libraries and educational museums.

Examination-papers for students, and other miscellaneous works by pupils.

Designs and photos. of schools, colleges, libraries, &c.

Periodical and other publications on the different branches of law, science, and literature.

Class 7.—Organisation and Appliances for Secondary Instruction.

Mombusho, Department of Public Instruction, Tokio.

Rules and regulations for normal schools, colleges, and other establishments for secondary instruction.

Text-books and examination-papers for students.

Class 8.—Organisation, Methods, and Appliances for Superior Instruction.

Mombusho, Department of Public Instruction, Tokio.

Calendars for the University of Tokio.

Anatomical designs.

Graduation essays and examination-papers.

Class 10.—Stationery, Bookbinding, Painting and Drawing Materials.

Government Printing Office, Tokio.

Papers of various descriptions.

Printing and stamping inks of different colours; paints used for water-colouring, &c.

Copper-plate engravings, illustrations of the Japanese coins.

Ishigami, G., Osaka. — Japanese inks.

Kiri-Kosho Kuwaisha and Akiyama, T., Tokio. — Slates and pencils.

Kogio-Shokuwai, Tokio. — Slates.

Koike, W., Tokio. — Pencils.

Nomura, W., Tokio. — Japanese inks, stones for rubbing inks, and various kinds of writing-brushes.

Class 16.—Maps, and Geographical and Cosmographical Apparatus.

Chirikiyoku, Board of Land and Survey. — Map of Japan.

Class 20.—Pottery.

Akiyama, T., Tokio. — Porcelain flower-vases, coffee sets, jars, &c.

Fukuda, T., Osaka. — Tea-cups.

Hiochiyen, Tokio. — Porcelain flower-vases.

Kiri-Kosho Kuwaisha and Akiyama, T., Tokio. — Porcelain flower-vases, coffee-sets, tea-cups, plates, pots, &c.

Kiri-Kosho Kuwaisha, Tokio. — Porcelain flower-vases, tea-sets, Cloisonne enamel on bronze, &c.

Koransha, Yokohama. — Arita porcelain bowls, flower-vases, and plates and cups.

Maru, Y., Tokio. — Banco earthenware teapots, censers, and saucers.

Marunaka, M., Kanazawa. — Porcelain censers and jar.

Miyagawa, K., Yokohama. — Flower-vases, variously painted, carved, and embossed.

Shippogaisha, Nagoya. — Cloisonne enamel on porcelain tea-sets; Cloisonne enamel on bronze jars and flower-vases.

Yedogawa Seitousho, Tokio. — Porcelain flower-vases, coffee-cups, jars, bowls, jugs with lids, &c.

Class 21.—Carpets, Tapestry, and other Stuffs for Furniture.

Kiri-Kosho Kuwaisha and Akiyama, T., Tokio. — Cotton carpeting and matting.

Mitani, O., Osaka. — Cotton carpeting.

Mitsui & Co., Tokio. — Silk carpeting.

Class 22.—Paperhangings.

Government Printing Office, Tokio. — Paper imitation of leather.

Inouye, G., Osaka. — Printed paperhangings.

Kiri-Kosho Kuwaisha and Akiyama, T., Tokio. — Paperhangings and artistic papers.

Tani, M., Osaka. — Printed paperhangings.

Class 25.—Bronzes and various Art Castings and Repousse Work.

Kiri-Kosho Kuwaisha and Akiyama, T., Tokio. — Copper and bronze vases; inlaid works in bronze—iron tea-kettles and incense-burners.

Marunaka, M., Kanazawa.—Inlaid works in bronze—censers and ornamental tablets.

Okumura, A., Ohmi.—Bronze-wares—tea and water pots.

Saito, Z., Tokio.—Silver cups; iron and bronze wares, embossed.

Sanseisha, Tokio.—Bronze-wares, embossed—flower vases, and ornamental articles.

Shoami, Y., Okayama.—Bronze and silver wares—flower-vases and ashpens.

Class 27.—Apparatus and Processes for Heating and Lighting.

Kiri-Kosho Kuwaisha and Akiyama, T., Tokio.—Japanese lanterns and lamps.

Shinsuisha, Tokio.—New safety matches.

Class 28.—Perfumery.

Government Printing Office, Tokio.—Toilet soaps.

Kiri-Kosho Kuwaisha and Akiyama, T., Tokio.—Perfumed powder.

Class 29.—Leather-work, Fancy Articles, and Basket-work.

Arai, H., Tokio.—Lacquered wares—ornamental cabinets and tablets.

Imai, K., Osaka.—Flower-vase stand, &c.

Kiri-Kosho Kuwaisha, Tokio.—Lacquered wares—ornamented cabinets, &c.

Kiri-Kosho Kuwaisha and Akiyama, T., Tokio.—Fancy lacquered wares; articles of wood, ivory, tortoise-shell, &c.; combs, brushes, &c.

Minoda, C., Yokohama.—Lacquered wares, variously decorated; ornamental cabinet, and beautifully lacquered fan of tortoise-shell.

Nakagawa, S., Wakasa.—Studs, and handles for sticks and umbrellas, made of agate.

Nishimura, T., Ohmi.—Fancy baskets and cigar-cases, made of the bark of *Wisteria chinensis*.

Nishiwaki, C., Wakasa.—Lacquered cigar-cases.

Ohseki, S., Yokohama.—Lacquered wares—ivory fans, incense and cake boxes.

Ohta, M., Tokio.—Ornamental cabinet, inlaid with gold and silver on wood (persimmon-tree), painted tablets, and trays.

Seikosha, Tokio.—Lacquered wares—ornamental boxes.

Shioda, M., Tokio.—Ornamental boxes and trays of wood, beautifully engraved.

Yanaida, U., Osaka.—Fancy baskets.

Class 30.—Cotton, Thread, and Fabrics.

Kimura, H., Ashikaga.—Various kinds of cotton crape fabrics, striped.

Kiri-Kosho Kuwaisha and Akiyama, T., Tokio.—Cotton cloth and cotton flannel.

Kogio Shokuwai, Tokio.—Plain cotton fabrics, for making mosquito curtains.

Mitsui and Co., Tokio.—Cotton and silk mixture fabrics, for covering furniture.

Class 31.—Thread and Fabrics of Flax, Hemp, &c.

Kogio Shokuwai, Tokio.—Hemp fabrics, for making mosquito curtains.

Watanabe, S., Iwashiro.—Paper clothes, made of fibrous paper, and silk and paper mixture.

Class 33.—Woollen Yarn and Fabrics.

Kuwanno Kioku, Board of Agriculture, Tokio.—Samples of woollen cloth.

Class 34.—Silk and Silk Fabrics.

Asami, M., Ohmi.—Crapes and chijimi (corrugated silk).

Chigiosha, Nusashi.—Raw silk (filature).

Hagiwara, M., Gumma.—Raw silk (filature).

Hasegawa, H., Shinano.—Raw silk (filature).

Hikawa Raw Silk Co., Kozuke.—Raw silk.

Hikone Filature Factory, Shiga.—Raw silks.

Hoshino, C., Kozuke.—Filature silk.

Ito, K., Miye.—Filature silk.

Kanazawa Silk Filature Co., Kanazawa.—Raw silk (filature).

Katsuyama, S., Gumma.—Raw silk.

Katsuyama Filatory, Kanazawa.—Raw silk.

Kengiosha, Gumma.—Raw silk (filature).

Kimura, H., Ashikaga.—Dress silk, striped; nambu (dress silk), mixed with cotton; silk crapes.

Kuwannokioku, Board of Agriculture, Tokio.—Raw silks, Noshi silk.

Mitui and Co., Tokio.—Dress silks, various; and silk fabrics for curtains and coverings of furniture.

Naganoken, Local Government of.—Raw silk (filature).

Nihonmatsu Filature Co., Miyagi.—Raw silk (filature).

Rokkoshu, Naganoken.—Raw silks (filature).

Seishigensha, Gumma.—Raw silk, hand-reeled.

Seki, K., Naganoken.—Raw silks (filature).

Sugimoto, M., Kanazawa.—Raw silk (filature).

Takahashi, H., Naganoken.—Raw silk (filature).

Tokosha, Naganoken.—Raw silk (filature).

Yonezawa Filatory, Yamagata.—Raw silk (filature).

Class 35.—Shawls.

Kiri-Kosho Kuwaisha and Akiyama, T., Tokio.—Silk shawls.

Shiino, S., Yokohama.—Silk shawls, embroidered.

Class 36.—Lace, Net, Embroidery, and Trim-mings.

Midzushima, S., Tokio.—Silk embroidery, shawl, and table cover.

Class 37.—Hosiery and Underclothing, and Accessories of Clothing.

Araki, K., Wakasa.—Walking-sticks.

Kiri-Kosho Kuwaisha and Akiyama, T., Tokio.—Fancy neckties, umbrella, parasols, &c.

Naka, S., Osaka.—Fancy blinds of bamboo.

Shiino, S., Yokohama.—Silk handkerchief and cravats of crapes.

Tsuji, G., Ohmi.—Walking-sticks.

Yasuda, Y., Osaka.—Fans, not folding.

Class 38.—Clothing for both Sexes.

Kiri-Kosho Kuwaisha and Akiyama, T., Tokio.—Gentlemen's nightgowns.

Shiino, S., Yokohama.—Silk gowns, for lady.

Class 41.—Travelling Apparatus and Camp Equipage.

Kiri-Kosho Kuwaisha and Akiyama, T., Tokio.—Travelling caps and trunks made of willow bark and bamboo.

Class 42.—Toys.

Hayashi, T., Osaka.—Playing balls and dolls.

Kiri-Kosho Kuwaisha and Akiyama, T., Tokio.—Dolls, playing balls, painted pictures, &c.

Wakano, S., Osaka.—Kites.

Class 43.—Products of the Cultivation of Forests and of the Trades appertaining thereto.

Akagawa, K., Osaka.—Ropes made of shuro, a kind of palm-tree.

Kaitakushi, Department for the Colonisation of Island of Yesso, Tokio.—Specimens of different kinds of forest trees in the island of Yesso.

Kiri-Kosho Kuwaisha and Akiyama, T., Tokio.—Ropes of shuro and the bark of shuro.

Mombusho, Department of Public Instruction, Tokio.—Specimens of different forest trees.

Sanrin Kiyoku, Bureau of Forests, Tokio.—Specimens of forest trees.

Class 44.—Products of Hunting, Shooting, Fishing, and Spontaneous Products.

Kogio Shokuwai, Tokio.—Dried mushrooms.

Class 45.—Agricultural Products not used for Food.

Kokaji, K., Shigaken.—Tobacco leaves.

Kojima, G., Yokohama.—Tobacco leaves.

Kuwanno Kiyoku, Board of Agriculture, Tokio.—Tobacco leaves, and cocoons.

Kogio Shokuwai, Tokio.—Vegetable wax.
 Nakamura, K., Shigaken.—Raw vegetable wax.
 Noda, T., Tokio.—Cigars.
 Tachibana, N., Tokio.—Cigarettes.

Class 46.—Chemical and Pharmaceutical Products.

Government Mint, Osaka.—Specimens of acid—nitric, chloric, and sulphuric.
 Government Printing Office, Tokio.—Soaps and blackings.
 Kiriu-Kosho Kuwaisha and Akiyama, T., Tokio.—Japanese candles.
 Kogio Shokuwai, Tokio.—Peppermint.
 Wooyesugi, S., Osaka.—Specimens of glue.

Class 47.—Chemical Processes for Bleaching, Dyeing, Printing, and Dressing.

Kiriu-Kosho Kuwaisha and Akiyama, T., Tokio.—Yuzen, or the silk fabrics on which objects are produced by dyeing.

Class 67.—Cereals, Farinaceous Products, and Products derived from them.

Asakusa Seimaijio, Tokio.—Rice, cleaned and uncleaned.
 Idzumi, R., Osaka.—Seaweed.
 Kawakita, K., Osaka.—Edible seaweed.
 Kogio Shokuwai, Tokio.
 Kanten, a kind of food prepared from edible seaweed.
 Asakusanori, a kind of food prepared from edible seaweed.
 Fu, a kind of paste made of wheat-flour.
 Kuwanno Kiyoku, Board of Agriculture, Tokio.—Specimens of seeds of various kinds of rice, beans, peas, Indian corn, &c.
 Mitsui and Co., Tokio.—Specimens of rice.
 Sanbensha, Tokio.—Specimen of vermicelli.
 Shimidzu, K., Osaka.—Kuzu (fecula derived from the root of the plant called kuzu).

Class 70.—Meat and Fish.

Kaitakushi, Department for the Colonisation of the Island of Yesso, Tokio.—Preserved venison, preserved salmon and oyster, dried codfish.
 Kogio Shokuwai, Tokio.—Dried cuttlefish and shellfish, shrimps a-wabi, &c.

Kuwanno Kiyoku, Board of Agriculture, Tokio.—Sardines, preserved in oil.
 Saito, M., Tokio.—Sardines, preserved in oil.

Class 71.—Vegetables and Fruit.

Kogio Shokuwai, Tokio.—Dried chestnuts; dried ginnan—small white nuts, being the fruits of the tree icho (*Salisburia adiantifolia*).

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Hayashi, Y., Bizen.—Preserved cakes.
 Idzumi, I., Tokio.—Black tea.
 Kanbayashi, K., and Tagawa, K., Tokio.—Brick tea.
 Kaubayashi and Okura, Tokio.—Black tea.
 Kida, Z., Ohmi.—Black and green teas.
 Kiriu-Kosho Kuwaisha and Akiyama, T., Tokio.—Japanese bonbons.
 Kogio Shokuwai, Tokio.—Soy.
 Konkon-sha, Kōchi.—Black teas.
 Kuwanno Kiyoku, Board of Agriculture, Tokio.—Black and green tea.
 Sakai, G., Osaka.—Sugar candy.
 Sasai, H., Tokio.—Black teas.
 Seiko-sha, Tokuoka.—Black teas.
 Shiranuhi-sha Kumamoto.—Black teas.
 Yamamoto, M., Shiga.—Black teas.

Class 73.—Fermented Drinks.

Kogio Shokuwai, Tokio.—Shochiu, or the liquor made of rice.

Classes 76, 77, 78, 79.

Kuwanno Kiyoku, Board of Agriculture.—Seeds of various kinds of flower plants, vegetables, fruits, trees, and forest trees.

Class 82.—Mining and Metallurgy.

Government School of Fine Arts, Tokio.—Specimens of marbles used for columns, mantel-pieces, and all purposes of statuary.
 Kaitakushi, Department for the Colonisation of the Island of Yesso, Tokio.—Sulphur, product of the island of Yesso.
 Kogio Shokuwai, Tokio.—Specimen of sulphur.
 Mombusho, Department of Public Instruction, Tokio.—Collection of minerals.
 Sugimura, J., Shiga.—Minerals found in the various departments in Japan.

MINOR COURTS.

CHINESE.

Class 15.—Mathematical and Philosophical Instruments, &c.

Hunter, W. L., Foochow.—Chinese coins (ancient and modern).

Wong Ping Sing.—Ancient Chinese coins.

Class 17.—Cheap and Fancy Furniture.

Schonberger, V.—Chinese cabinets and tables.

Class 20.—Pottery.

Ham Sing.—China vases.

Schonberger, V.—China vases.

Wadman, E., Ningpo.—China vases, old, quaint, and rare.

Class 21.—Carpets, Tapestry, and other Stuffs for Furniture.

Knight, Bandinel and Co., Newchwang.—Sheep's and camels'-hair rugs, brown and white felt.

Class 29.—Leather-work, Fancy Articles, and Basket-work.

Knight, Bandinel and Co., Newchwang.—Censer, candlesticks, pen-resters, and other stone ornaments.

Class 34.—Silk and Silk Fabrics.

Ham Sing, Hong Kong.—Different silk textures.

Knight, Bandinel and Co., Newchwang.—Sets silk figures, pongee, stockings, shoes, wild raw silk.

Class 36.—Lace, Net, Embroidery, and Trimmings.

Kong Meng, L., Melbourne.—Embroidered silk quilt.

Class 38.—Clothing for both Sexes.

Knight, Bandinel and Co., Newchwang.—Felt stockings, shoes, and caps.

Class 45.—Agricultural Products, not used for Food.

Knight, Bandinel and Co.—Hemp (first and second quality), jute; bean, castor, and paint oils.

Class 48.—Leather and Skins.

Knight, Bandinel & Co.—Grey goatskin rug, black dogskin robe.

Class 71.—Vegetables and Fruit.

Knight, Bandinel and Co.—Bottles green, white, and yellow peas, and black beans.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Oriental Tea Co., Melbourne.—Teas.

Peterson, W., Melbourne.—Tea, tea plants.

Class 73.—Fermented Drinks.

Knight, Bandinel and Co.—Spirits—samshoo.

JAPANESE.

Class 16.—Maps, and Geographical and Cosmographical Apparatus.

Singleton & Co., Tokio.—Maps.

Class 10.—Stationery, Bookbinding, Painting, and Drawing Materials.

Fusiyama Co. (T. A. Singleton, manager), Fusiyama.—Document, tissue, serviette, and other papers.

Nakamura, S., Tokio.—Indian ink and brushes.

Class 12.—Photographic Proofs and Apparatus.

Stillfried & Anderson, Tokio.—Photographs of Japanese scenery and public buildings.

PORTUGUESE.

Class 73.—Fermented Drinks.

Andresen, J. H., Oporto.—Port wine.

Guedes, M. de Souza, Oporto.—Port wine.

RUSSIAN.

Class 48.—Leather and Skins.

Sokoff and Son, Baroosk.—Leather.

SCANDINAVIAN.

Class 1.—Oil Paintings.

Tryde, W., Denmark.—Paintings.

Were, J. B., Melbourne.—Lithographic portraits of King and Queen of Sweden and Denmark.

Class 7.—Organisation and Appliances for Secondary Instruction.

Carleson, J. P., Mölltorp.—Writing companion.

Hallgren, E., Sweden.—Instructive astronomical lamp-shades.

Class 9.—Printing, Books.

Lofstom, Sophie, Sweden.—Books.

Pettersen, E., Sweden.—Mr. Cederberg's introduction.

Class 17.—Cheap and Fancy Furniture.

Bausbek and Lehmann, Norway.—Furniture.

Carleson, J. P., Mölltorp, Sweden.—Hunting hammock.

Class 27.—Apparatus and Processes for Heating and Lighting.

Holmgren, V., Sweden.—Matches.

Oscar, S., Stockholm, Sweden.—Matches.

Class 46.—Chemical and Pharmaceutical Products.

Jordan, C., Norway.—Cod liver oil.

Schmidt, T., Copenhagen.—Bicarbonate of potash.

Meyer and Henckel, Denmark.—Butter and cheese colour, and cheese rennet.

Class 64.—Apparatus and Processes of Civil Engineering, Public Works, and Architecture.

Gallander and Co., Uddervalla.—Machine-made wood mouldings.

Class 70.—Meat and Fish.

Brandt, M., Denmark.—Fish, preserved.
 Stavanger Preserving Co., Norway.—Fish.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Anderson, A., Stazelse.—Table mead and honey punch.
 Cedulunds, J., and Sons, Stockholm.—Caloric punch.
 Hoxmark, O., Norway.—Arrack punch.
 Paulsen, H., and Co., Norway.—Arack punch.
 Sabroe, C., Denmark.—Bitters.
 Schalburg, jun., J. F., Denmark.—Cherry cordial and cherry brandy.

Class 73.—Fermented Drinks.

Christiania Arctic Brewery.—Norway pale ale.
 Hamar Brewery, Christiania.—Pale ale.
 Nordstrom, N. P., Carlkrowa, Sweden.—Punch.
 Schan, C., Norway.—Pale ale.
 Tangervald, L. A., Norway.—Pale ale.

SPANISH.**Class 72.—Condiments and Stimulants, Sugar and Confectionery.**

Alonso, S.—Orchate, unfermented Spanish summer drink.
 M'Leod and Co., Manila.—Hemp, coffee, and sugar, from the Philippine Islands.

Class 73.—Fermented Drinks.

Hesselink, Hermanos & Co.—Wine.
 Tueson, J., & Co.—Wine.

TURKISH.**Class 21.—Carpets, Tapestry, &c.**

Skinnze Brothers, Turkey.—Carpets, embroidery.

Class 29.—Leather-work, Fancy Articles, &c.

Bichara, M., and Co., Bethlehem.—Fancy articles in wood and ivory.

NETHERLANDS EXHIBITS.**Class 6.—Education of Children, Primary Instruction, Instruction of Adults.**

Bezemer, D., Netherlands.—Absence list for the primary schools in Netherlands, list of names, and vaccination list.
 Grevenstuk, A., Amsterdam.—Caligraph of H.R.H. the late Prince Henry of the Netherlands; specimen of caligraphy.
 Netherlands, Royal Commission of.—Elementary and middle-class instruction in the Netherlands, 1876, Leyden.

Class 7.—Organisation and Appliances for Secondary Instruction.

Trades School of the Society for the Working Classes, Amsterdam.—Prospectus of the teaching; annual reports, 1861-1878.

Class 8.—Organisation, Methods, and Appliances for Superior Instruction.

Loosjes, De Erven, Haarlem.—Drawings used in the instruction of physics.
 Leendertz, Jan, Amsterdam.—Specimens of published books, oleographs, photographs.

Class 9.—Printing, Books.

Loosjes, De Erven, Haarlem.—Specimens of published books.
 Netherlands Society for the Promotion of Industry, Haarlem.—Books issued by the Society.
 Van der Burg, A. R. en P., Bros., Rotterdam.—Guide for self-instruction in imitating marble and wood.

Class 14.—Medicine, Hygiene, and Public Relief.

Bosch, B. J. R., Gorinchem.—Frame and handbarrow for transporting wounded and sick persons.

Class 16.—Maps, and Geographical and Cosmographical Apparatus.

Netherlands-India Government, Batavia.—Three geological maps.
 Zimmerman, G. P. H., Leeuwarden.—Map of the Surinam River, published by the Dutch Geographical Society.

Class 18.—Upholsterers' and Decorators' Work.

Guldemon, M. E., Kockengen.—Imitation marble and wood.
 Kieffer, G. W., Leeuwarden.—Samples of imitation wood and marble, polished but not varnished.
 Van der Burg, M., Schiedam.—Imitation marble and wood.
 Van Hemert, C. C., Rotterdam.—Samples of imitation marble and wood.
 Van der Burg, P., Schiedam.—Samples of imitation wood and marble.

Class 19.—Crystal, Glass, and Stained Glass.

Royal Dutch Bent and Ground Glass Works, Dordrecht.—Specimens of bent plate and window glass; glass letters, glass tiles.

Class 21.—Carpets, Tapestry, and other Stuff for Furniture.

Van Leer, B., Amersfoort.—Dutch carpets.

Class 25.—Bronzes and various Art Castings and Repousse Work.

Braat, F. W., Delft.—Small statues, vases.

Class 27.—Apparatus and Processes for Heating and Lighting.

Hoogendyk, Fromberg en Co., Apeldoorn.—Harmless matches.

Class 28.—Perfumery.

Boldoot, J. C., Amsterdam.—Eau-de-Cologne.
 Parfumerie Maison Neuve, Delft.—Eau-de-Cologne, and other perfumeries.
 Sanders en Co., Leyden.—Several kinds of toilet soaps, in different qualities.
 Schagen van Leeuwen, J. A. N., en Co., Delft.—Different kinds of aromatic vinegar.
 Van Vollenhoven en Co., Amsterdam.—Different kinds of vinegar.

Class 29.—Leather-work, Fancy Articles, and Basket-work.

Prakke Brs., Eibergen.—Beltings, laces, and picking bands of crown leather and oak-tanned leather.

Class 30.—Cotton Thread and Fabrics.

Veltman en Co., Amsterdam.—Bed covers, made of cretonne and similar material.

Class 32.—Worsted Yarn and Fabrics.

Ledeboer, L. V., en Zoon, Tilburg.—Serges.
Veltman en Co., Amsterdam.—Bed covers, made of cashmere and similar materials.

Class 33.—Woollen Yarn and Fabrics.

Ledeboer, L. V., en Zoon, Tilburg. — Cloths, flannels.

Class 34.—Silk and Silk Fabrics.

Veltman en Co., Amsterdam.—Silk bed covers.

Class 45.—Agricultural Products, not used for Food.

Bleckmann Bros., Arnheim. — Finest cigars, of different brands.
Mignot en de Block, Eindhoven.—Different kinds of cigars.
Reijnvaan, A. J., Amsterdam.—Cigars, tobacco, and snuff.
Van der Post, C. G., Gonda.—Different kinds of cigars.

Class 46. — Chemical and Pharmaceutical Products.

Dekker, J., Wormerveer. — Netherlands laundry blue, ball blue of different kinds.
Kruysmulder, D., en Zoon, Amsterdam. — Lubricating oils.
Leur en Co., Schoten, near Haarlem.—Paints made with Dutch iron ore, dry and mixed with oil.
Rocour, G., en Co., Eysden.—White zinc.
Sanders en Co., Leyden.—Soaps.

Class 51.—Apparatus used in Chemistry, Pharmacy, and Tanning.

Royal Dutch Bent and Ground Glass Works, Dordrecht.—Specialties in glass-works.

Class 52.—Machines and Apparatus in general.

Jonker en Zoon, Amsterdam.—Folding-machine, for hand and steam power; corking machine.
Royal Engine Works Co. Limited, Amsterdam.—Model of a copper vacuum pan; high-pressure compound steam-engine, eight-horse power, nominal.

Class 64.—Apparatus and Processes of Civil Engineering, Public Works, and Architecture.

Holsboer, B., Arnheim. — Two levelling instruments, self-adjusting, controlling; fluviometer, with electric bells, used by Netherlands hydrographers.
Royal Engine Works Co. Limited, Amsterdam.—Photographs of bridges and steam-engines.

Class 65.—Navigation and Life-saving.

Bikkers en Zoon, Rotterdam.—Fire-engine hose—length, 100 yds.; diameter, 3½ in.; round, woven.
Royal Engine Works Co. Limited, Amsterdam.—Photographs of vessels, &c.

Class 66.—Materials and Apparatus for Military Purposes.

Royal Engine Works Co. Limited, Amsterdam.—Models of brass 12-cm. breech-loading gun, with Scherer's gun-carriage.

Class 67.—Cereals, Farinaceous Products, and Products derived from them.

Egberts, B. H., Dalfsen.—Chicory.
Heumann, F., en Co., Antwerp.—Starch.

Class 68.—Bread and Pastry.

Klopman, Baerselman, Deventer. — Genuine Deventer cakes.

Class 69.—Fatty Substances used as Food. Milk and Eggs.

Klopman, Baerselman H., Deventer.—Dutch grass butter, in tins. Prepared to stand the warmest climate, and to remain fresh for years.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Egberts, B. H., Dalfsen. — Burnt chicory roots, chicory meal.
Riepma, H., Martenshoek.—Genuine Dutch mustard.
Schagen van Leeuwen en Co., Delft. — Different kinds of malt vinegar.
Van Vollenhoven en Co., Amsterdam. — Different kinds of vinegar.

Class 73.—Fermented Drinks.

Bal, J. J., Middleburg.—White and red currant wine.
Blankenheyn en Nolet, Rotterdam. — Cordials and liqueurs.
Bols, L., De Erven, Amsterdam.—Liqueurs.
Cost Budde, B. en W. H., Deventer.—Beer, for tropical regions.
De Kuyper, J., en Zoon, Rotterdam.—Geneva.
Fockink Wynaud, Amsterdam.—Liqueurs.
Henkes, J. H., Delfshaven.—Geneva, in bottles.
Netherlands Yeast & Spirit Manufactory, The, Delft.—Alcohol, maize-oil.
Stibbe, G., Kampen.—Liqueurs.
Van Dulken, Weiland en Co., Rotterdam.—Geneva, plain spirits, brandy.
Van Vollenhoven en Co., Amsterdam.—Bottled beer, for export to the tropics; vinegar.
Van Zuylekonn, Levert en Co., Amsterdam.—Fine liqueurs, bitters, Geneva, and rectified spirits.

Class 76.—Flowers and Ornamental Plants.

Voute, E. J., Zeist.—Collection of seeds, bulbs, and flower roots.

Class 82.—Mining and Metallurgy.

Amsterdamsche Briquette Manufactory.—Coal and charcoal.
Netherlands-India Government.—Ores and minerals of the Netherlands-India Archipelago.
Regout, T., en Co., Maastricht.—Machine-made nails, steel nails, pegs, pointes-de-Paris.
Roupe van der Voort en Lewin, Bois-le-Duc.—Metallic capsules, tinfoil, tin, lead.

SWISS EXHIBITS.

Class 8.—Organisation, Methods, and Appliances for Superior Instruction.

Swiss Young Merchants' Society, Zurich.—Reports and pamphlets.

Class 9.—Printing, Books.

Bonfantini, G. A., Basle.—Typographical album and tableau.

Jent et Reinert, Berne.—"Grussaus-der Heimath," newspaper for the Swiss in foreign countries.

Society of Art of Geneva, Geneva.—Publications.

Class 13.—Musical Instruments.

Geneva Collective Exhibition, Geneva.—Musical-boxes. Seven participants:—

BREMOND, A., ET CIE.
CONCHON.

LANGDORFF ET FILS.

METERT, PETITE.

MITTENDORFF, L.

NICOLE FRERES.

PERRELET, A., ET CIE.

Heller, J. H., Berne.—Musical-boxes and chalets.

Trost, J., et Cie., Zurich.—Pianos.

Class 14.—Medicine, Hygiene, and Public Relief.

Wellauer, J., St. Gall, and Mueller, J., Uettligen.—Statistics about the benevolent institutions of Switzerland.

Class 15.—Mathematical and Philosophical Instruments.

Kern, J., Aarau.—Mathematical instruments.

Class 23.—Cutlery.

Lecoultre, J., Sentier.—Razors.

Class 26.—Clocks and Watches.

Baume et Cie., Geneva.—Watches.

Swiss Collective Exhibition of Watches.—Watches. Thirty-two participants:—

BADOLLET, J. M., ET CIE., Geneva.

BASTARD, J., ET REDARD, Geneva.

BAUD, A., Geneva.

BRONN, F., Geneva.

CARTIER ET AMEZ-DROZ, Geneva.

CORCELLE, J., ET Co., Geneva.

DUFOUR, J. E., ET Co., Geneva.

GOLAY-LERESCHE, A., ET Co., Geneva.

GOSTKOWSKY, L., Geneva.

HAAS, PIVAT ET Co., Geneva.

LECOULTRE, EUG., Geneva.

METFORD, WM., Geneva.

MONOD, EDOUARD, Geneva.

MONTANDON, L., LUTZ ET CIE., Geneva.

PATEK, PHILIPPE ET CIE., Geneva.

PIGUET, F., ET BACHMANN, Geneva.

REDARD, H., ET FILS, Geneva.

TISSOT, L., ET CIE., Geneva.

RAUSS, VEUVE AMI, ET CIE., Geneva.

ZENTLER FRERES, Geneva.

BRETING, A., ET CIE., Locle.

COLLET, J., ET CIE., La Chaux-de-Fonds.

COURVOISIER FRERES, La Chaux-de-Fonds.

DROZ ET PERRET, St. Imier.

GEISER, L. A., Tavannes.

GROSJEAN FRERES, La Chaux-de-Fonds.

JURA WATCH Co., Bienne.

JUVET, C. A., La Chaux-de-Fonds.

LONGINES WATCH Co., St. Imier.

MANUFACTORY OF MOVEMENTS, Cortébert.

MATHEY-DORET, P., Locle.

MONTANDON FRERES, Locle.

Johann, A., Aarau.—Book, plans, and drawings about the art of watch-manufacturing.

Class 34.—Silk and Silk Fabrics.

Bally Freres, Schoenenwerd.—Silk ribands.

Egli et Sennhauser, Zurich.—Bolting cloth and silk gauze.

Schindler-Escher, C., Zurich.—Bolting cloth and silk gauze.

Class 36.—Lace, Net, Embroidery, and Trim-mings.

Arnold, A., Heiden.—Lace curtains

Baenziger, Buerke et Cie., St. Gall.—Machine embroideries.

Blumer et Wild, St. Gall.—Ladies' fancy dress goods.

Class 37.—Hosiery and Underclothing, and Accessories of Clothing.

Bally et Schmitter, Aarau.—Elastic boot-webs.

Reiner, G., Aarau.—Elastic boot-webs.

Class 39.—Jewellery and Precious Stones.

Geneva Collective Exhibition, Geneva.—Jewellery. Seven participants:—

BRUN-GENTON.

FLEURET ET POCHOLON.

GAY, J.

PERRET ET Co.

RIGAUD ET CHATENAUD.

RUTISHAUSER & DOUILLON.

WENDT ET HEIDORN.

Class 45.—Agricultural Products, not used for Food.

Kottman, J., Soleure.—Cigars.

Ormond et Cie., Vevey.—Cigars.

Class 46.—Chemical and Pharmaceutical Products.

Monnet, J., et Cie., Geneva.—Chemical products—dyes, aniline, and violet of aniline.

Class 50.—Apparatus and Processes used in Agricultural Works, and in Works for the Preparation of Food.

Daverio, G., Zurich.—Model of roller-mill.

Class 64.—Apparatus and Processes of Civil Engineering, Public Works, and Architecture.

Abt, R., Berne.—Plans, description, photographs of the Giessbach Railway.

Class 69.—Fatty Substances used as Food. Milk and Eggs.

Nestle, H., Vevey.—Nestle's condensed milk and milk food.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Peter, Cailler et Cie, Vevey and Geneva.—Chocolate and milk-chocolate.

Class 73.—Fermented Drinks.

Dennler, A. F., Interlaken.—Stomach and iron bitters.

Lecoultre, J., Geneva.—Peppermint extract.

UNITED KINGDOM OF GREAT BRITAIN AND IRELAND.

BRITISH EXHIBITS.

Class 6.—Education of Children, Primary Instruction, Instruction of Adults.

Augener & Co., London.—Elementary and advanced music instruction books.
Blackie & Son.—Educational books, copybooks.
British & Foreign Blind Association, London.—Appliances for instruction of the blind.
Chambers, W. & R., Edinburgh.—Encyclopædias, dictionaries, school books, and charts.
Collins, W., Sons & Co., London.—Educational publications and appliances.
Dean & Son, London.—Children's toy-books, primers, &c.
Gall & Inglis, Edinburgh.—British school series of reading books and wall-map publications.
Hammer, G. M., London.—School furniture.
London School Board, London.—Appliances used in schools of the Board.
Myers, A. N., & Co., London.—Educational appliances and amusements.
Swan, Sonnenschien & Allen, London.—Educational works and school furniture.
Twining, T., London.—Illustrated lectures for the elementary teaching in science and technology.

Class 7.—Organisation and Appliances for Secondary Instruction.

Schaffer & Budenberg, Manchester.—Models and sections of machinery for educational purposes.

Class 8.—Organisation, Methods, and Appliances for Superior Instruction.

Meiklejohn, J. M. A., London.—Diagrams to illustrate the nature and malformations of the English alphabet.
Morgan, W., Birmingham.—Model of library indicator.
Schaffer & Budenberg, Manchester.—Models and sections of machinery.

Class 9.—Printing, Books.

Blackie & Son, Glasgow.—Books, bookbinding.
British and Foreign Bible Society, London.—The Bible in 146 languages and dialects.
British Mercantile Gazette, Sheffield.—Publications.
Causton, Sir J., & Sons, London.—Illuminated show-cards on iron.
Chambers, W. & R., Edinburgh.—Books in general literature.
Cochrane, G., Edinburgh.—Litho-printing from drawings upon grained transfer-paper.
De Carteret-Bisson, Capt. F. S., London.—Books.
Froude, H., London.—Books.
"Graphic," Proprietors of the, London.—The whole process of producing a high-class illustrated newspaper.
Griffiths, H. W., London.—"London Iron Trade Exchange and Mining Engineer"; "Guide to Iron Trade."
Griffiths, S., & Co., London.—Publications relating to the iron trade.
Hinton, T. H., London.—Collection of British and Colonial postage stamps, used and unused, including the Mulready envelope of 1840.
Institution of Civil Engineers, Westminster.—Books.

Maclachlan & Stewart, Edinburgh.—Books and publications in the Gaelic language, and of Celtic literature.

Maclure & Macdonald, London.—Specimens of lithography.

Partridge, S. W., & Co., London.—Illustrated books, periodicals, reward-cards, &c.

Patent Enamel Co., Birmingham.—Enamelled advertising signs, street plates, labels, &c.

Paterson, W., Edinburgh.—Books relating to Scottish history and poetry; illustrated works.

Plummer, J., London.—Collection of British trade, industrial, and technical publications.

Religious Tract Society, London.—Tracts and books in various languages, Scripture pictures, &c.

Sampson Low, Marston & Co., London.—Publications.

Semple, J., Glasgow.—Books, self-inking endorsing stamps, wheel dating-stamps and paging machines, percussion embossing presses.

Tripplin, J., London.—Treatise on modern horology.

Trubner & Co., London.—Books.

Unwin Bros., London.—Specimens of printing, facsimile reprints of early publications, antique book-binding, ledgers, &c.

Ward, Lock & Co., London.—Works of reference, gift books, novels, juvenile publications.

Weekes & Co., London.—Printed music and musical portfolios.

Class 10.—Stationery, Bookbinding, Painting and Drawing Materials.

Avery, W. & T., Birmingham.—Scale, and machines for weighing letters.

Avril, L., & Co., London.—Writing, tracing, photographic, copying, and cigarette papers.

Bailey Bros., London.—Marking ink.

Blackwood, J., & Co., London.—Writing and copying inks, sealing wax.

Bond, M. A. (now Hickisson), London.—Marking ink and appliances.

Bowman, C., London.—Stencil ink, plates and brushes; marking brushes, ink powder.

Brandauer, C., & Co., 401 to 410 New John-street West, Birmingham.—Circular Pointed and other Steel Pens. Awarded First Order of Merit for Pens (Silver Medal).

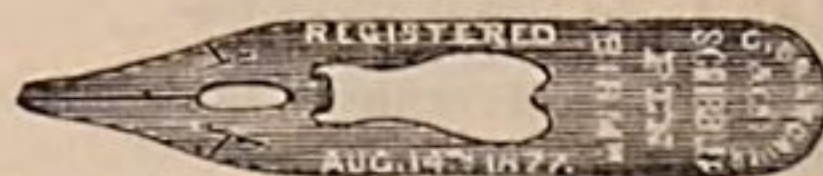
The Circular Pointed Pens, exhibited by Messrs. C. Brandauer and Co., are well known in the Home Markets, and are fast superseding the ordinary Pens.

The new process of Rounding the Points has proved of great advantage in securing even and smooth writing, without scratching or spurring.

The following are illustrations of a few of the pens manufactured by the exhibitors, which number many hundreds.



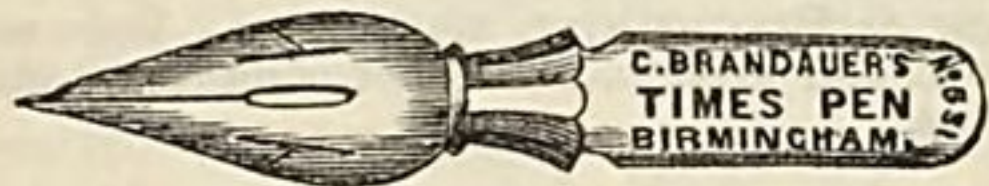
REVIEW PEN—Strong and moderately fine-pointed, best gilt.



SCRIBBLER PEN—Extra strong and broad-pointed, for rapid writing, with reservoir for ink.



FIGARO PEN—Extra strong and fine-pointed. Carbonised steel.



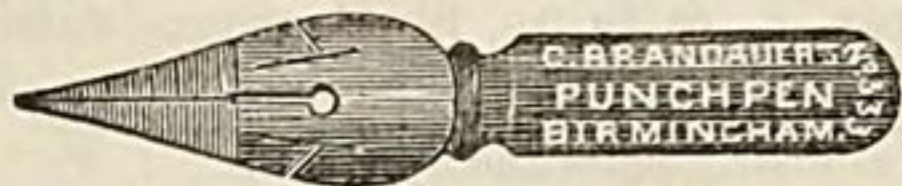
TIMES PEN—Strong Aluminium Pen, moderately fine and flexible.



MAIL PEN—Strong Aluminium Pen, with coarse fine points.



MAGAZINE PEN—Extra strong medium points.



PUNCH PEN—Moderately flexible, with coarse fine points.



GLOBE PEN—Fine pointed and very flexible. Coated with Aluminium.

At the recent Sydney International Exhibition Messrs. C. Brandauer and Co. received the award of a First Prize for Steel Pens.

Busbridge, G. F., & Co., Kent.—“Vat” papers.
Canton, R., London.—Valentines.
Cohen, B. S., London.—Lead pencils.
Cooper & Co., London.—Writing inks, jet black, blue-black, copying, and coloured.
Davies & Royle, London.—Paper, paper bags.
Daniell, S. A., Birmingham.—Copying presses.
Downing, J. S., Birmingham.—Stationers’ hardware, cabinet goods, and sundries.
Erhardt, H., & Co., London.—Vegetable parchments, polished tinfoil, tinfoil paper.
Fleming, A. B., & Co., Edinburgh.—Printing inks.
Fourdrinier, Hunt & Co., London.—Writing and printing papers, envelopes, playing cards.
Gillott, J., & Sons, Birmingham.—Steel pens.
Goodall, Charles & Son. Manufactory: Camden Works, Great College-street, Camden-town; City Warehouse: 17 St. Bride-street, Ludgate Circus, London.—Playing Cards, Christmas Cards, Mounting Boards, Card Boards, Ivory and Message Cards, Ball Programmes and Menu Cards, Writing Papers and Envelopes in Special Boxes. Awarded First Order of Merit for Playing Cards (Silver Medal). First Order of Merit for Menu and Christmas Cards (Silver Medal). First Order of Merit for Note Paper, Envelopes, and Stationery (Silver Medal). First Order of Merit for Ivory Cards, Mounting Boards, Bristol Boards, and Card Boards (Silver Medal).

The principal feature in the Collection exhibited by Messrs. Charles Goodall and Son was the selection of Designs from the Playing Cards made by the firm,

the variety extending to many hundreds, to which new patterns are being constantly added.



A very limited selection of Christmas Cards was shown, but sufficient to indicate the variety manufactured.

The Collection also included high-class Writing Paper and Envelopes, as “Baskerville,” “Venetian,” and other well-known Marks—a speciality being the convenient and attractive methods of boxing these goods.

At the Paris Exhibition, 1878, Messrs. Charles Goodall and Son received one Silver and two Gold Medals, the two latter being respectively for Playing Cards and Ivory and Mounting Boards, and the former for an Envelope-making Machine. At the several Exhibitions of London (1862), Paris (1867), and Philadelphia (1876) they also obtained high awards, the last honours secured by them being four First-Class Awards at the Sydney Exhibition, these being respectively for Playing Cards, Menu and Programme Cards, Baskerville Paper, Envelopes.

Grosvenor, Chater & Co., 68 Cannon-st., London; Glory Mill, Wooburn, Bucks; Abbey Mills, Holywell, Flintshire. Paris Depot: 6 Rue de Paradis-Poissonière.—Writing, Drawing, Printing, Blotting, and Bank Note Papers. First Order of Merit for Printing Paper (Silver Medal). First Order of Merit for Plate Paper (Silver Medal). Second Order of Merit for Writing Paper. Second Order of Merit for Blotting Paper. Third Order of Merit for Hand-made Paper.

The Collection included:—

Superfine Hand-made Writing, Drawing, and Account Book Papers;

Bank Note and Loan Papers;

Machine-made Writings and Drawings, Tub-sized and Engine-sized, both Loft-dried and Machine-dried;

Printings, Charts, Blottings and Plate Papers;

News, in Reams and Reels;

Music Papers, White and Coloured;

The Exhibitors, who are the Sole Agents in Great Britain for the Dutch Hand-made Printing Paper, exhibit various Tints of French India Paper, for Proofs, also Whatman’s, Joynson’s, Hollingworth’s, Turner’s and other makes.

The following Special Marks in Note Papers are supplied by the Exhibitors in appropriate Fancy Wrappers, as shown:—

“Grosvenor,” Vellum Wove, Tub-sized and Loft-dried by Hand;

“Pure Linen,” Vellum Laid, Tub-sized and Loft-dried by Hand;

“Wooburn,” Laid and Wove, Tub-sized;

“Glory Mill,” Laid and Wove, Tub-sized;

“Greenfield,” Laid, Engine-sized;

Also Envelopes to match any of the above.

Messrs. Grosvenor, Chater & Co., who carry on business as Paper Makers, and Wholesale and Export Stationers and Account Book Manufacturers, were awarded a Gold Medal at Paris in 1878. Samples and Quotations may be obtained upon application to Mr. George Robertson, Melbourne.

Hudson & Kearns, London.—Tracing and drawing papers, general stationery.
 Leonardt, D., & Co., Birmingham.—Steel pens, gold pens, pencil-cases, penholders.
 Lyons, W., London.—Writing, copying, and marking inks; sealing-wax.
 Monckton, W., & Co., Kent.—Writing, drawing, ledger, and bank papers.
 Peebles, A. M., & Son, London.—Reels of paper.
 Perry & Co., London.—Steel pens, penholders, pencil-cases, stationers' sundries.
 Pirie, A., & Sons, London.—Paper, envelopes, and cards.
 Saunders, T. H., & Co., London.—Hand and machine-made writing and printing papers.
 Stephens, H. C., London.—Writing and Copying inks, "Aeilyton" inks, marking ink, &c.
 Spicer Bros., London.—Hand-made, loan, and printing papers.
 Thacker, H., & Co., London.—Writing inks, copying inks, marking inks, liquid gum, steel pens, &c.
 Trubner & Co., London.—Revolving book-cases.
 Waterston Sons & Stewart, Edinburgh.—Sealing-wax, suitable for use in hot climates.
 Willis, W. H., & Co., London.—Playing and visiting cards, cardboards, drawing boards, calendars.

Class 12.—Photographic Proofs and Apparatus.

Avery, W. & T., Birmingham.—Weighing apparatus used in photography.
 Brightman, E., Bristol.—Landscape photographs of English scenery.
 Frith, F., & Co., Reigate.—Photographic views of English and foreign scenery, architecture, &c.
 Heath, V., London.—Landscape, forest, and tree studies of well-known places in Britain.
 London Stereoscopic Co.—Photographs of celebrated men and women, and popular beauties.
 Mansell, W. A., & Co., London.—Series of plain and coloured photographs.
 Nesbitt, G., Bournemouth.—Photographic studies from life, untouched.

Class 13.—Musical Instruments.

Ajello, G., London.—Piano.
 Besson, F., & Co., London.—"Prototype" band instruments.
 Brinsmead, J., & Sons, London.—Grand and upright pianos and models. (*See Advt., page xix.*)
 Challen & Son, London.—Pianos, and model of patent-action.
 Glen, J. & R., Edinburgh.—Highland bagpipes, music, and accessories.
 Ivory, H. A., London.—Pianos.
 Lachenal & Co., London.—Concertinas.
 Samuel, B., & Sons, London.—School harmoniums, dulcet organ harmoniums, brass and nickel silver cylinder flutes and flageolets.
 Samuel, B., & Sons, London.—Violin strings, manufactured from Australian sheep-gut.
 Udal, W., & Co., Birmingham.—Voltisubito, or music turner.
 Wallis, J., London.—Flutes, flageolets, and clarionets.

Class 14.—Medicine, Hygiene, and Public Relief.

Allen, T., Bristol.—Hospital bedstead and bed rests, asylum bedstead, camp bedstead.
 Arnold & Sons, London.—Surgical and veterinary instruments.
 Avery, W. & T., Birmingham.—Personal weighing-machines, for hospitals, asylums, &c.
 Cheavin, G., Boston.—Rapid water filters (self-cleaning), syphon pocket filters.
 Crosby, R. L., & Co., Birmingham.—Attachment of patent wire mattress to iron bedsteads, for hospitals.
 Evans & Wormull, London.—Amputating cases, steam-sprays, artificial limbs, surgical, midwifery, and dental instruments, air and water beds.
 Gray & Halford, London.—Artificial human eyes.
 Jowett, W. M., & Co., Manchester.—Thorough self-cleansing rapid water filters.
 Lemale & Co., London.—Mineral teeth, dental rubbers, dental instruments, &c.

Mayer & Meltzer, London.—Surgical instruments, appliances, and dressings; artificial limbs.
 M'Ewan, J., & Co., London and Melbourne.—Baths and sanitary-ware.
 Onions, J. C., & Co. Limited, Birmingham.—Moser's patent self-acting portable dry commode.
 Silicated Carbon Filter Co., London.—Silicated carbon filters, for purifying water.
 Slack & Brownlow, Manchester.—Main service, household, syphon, and other compressed charcoal filters.

Class 15.—Mathematical and Philosophical Instruments.

Avery, W. & T., Birmingham.—Scales and weights, for use in laboratories and scientific purposes.
 Barker, F., & Son, London.—Ship, pocket, and prismatic compasses; surveying instruments.
 Buss, T. O., London.—Hydrometers, saccharometers, thermometers.
 Dolland & Co., London.—Astronomical and scientific instruments.
 Harling, W. H., London.—Drawing, mathematical, and surveying instruments.
 Husbands, H., Bristol.—The Froude-Metford improved dumpy levels, theodolites, microscopes, telescopes, &c.
 Jones, Mary, Melbourne.—About four hundred coins of various Governments, extending over nearly two thousand years.
 Rabone, J., & Sons, Birmingham.—Patent steel land chains, rules and levels.
 Stanley, W. F., London.—Drawing and mathematical instruments and apparatus.
 Wood & Co., Liverpool.—Surveyors' levels and theodolites.

Class 16.—Maps, and Geographical and Cosmographical Apparatus.

Johnston, W. & A. K., Edinburgh.—School and library maps, atlases, globes, &c.
 Smith, C., & Son, London.—Educational maps and diagrams, globes.
 Stanford, E., London.—Maps and apparatus for teaching geography.

Class 17.—Cheap and Fancy Furniture.

Arrowsmith, A. J., & Co., London.—Art furniture and parquet flooring.
 Avery, W. & T., Birmingham.—Fancy hall chairs fitted with weighing apparatus.
 Conrath & Sons, London.—Bedroom, dining-room, Chippendale, and early English furniture.
 Crosby, R. L., & Co., London.—Iron and brass bedsteads.
 De Pont & Co., London.—Bagatelle board, billiard and bagatelle balls, cues, and other requisites.
 Fenby, J. B., & Co., Birmingham.—Patent folding furniture, tents and camp equipage.
 Hamilton, W., Brighton.—Invalid grasshopper couch, couches with screw movement.
 Hoskins & Sewell, Birmingham.—Bedsteads.
 Lune Chair Co., Lancaster.—Chair-frames.
 Marsden & Saffley, Liverpool.—Billiard-table, with marking board, cue rack, balls, and all adjuncts for billiards.
 M'Ewan, J., & Co., London and Melbourne.—Brass and iron bedsteads.
 Middleton, J., Birmingham.—Metallic bedsteads and cots, in iron composite and brass.
 Nathan, S.—Oak chair and entomological case.
 Peyton & Peyton, Birmingham.—Metallic bedsteads.
 Phillips, A., Birmingham.—Brass and iron bedsteads.
 Phillips & Son, Birmingham.—Brass and iron bedsteads and safes.
 Walker, W., & Sons, London.—Art furniture.
 Wright, G., & Co., Rotherham and London.—Billiard-table and fittings.
 Wright, G., & Co., London.—Mahogany billiard-table and appendages.

Class 18.—Upholsterers' and Decorators' Work.
Block, S., & Sons, London.—Furniture coverings.
Ciceri & Co., Edinburgh.—Frames.
Harwitz, L., & Sons, London.—Gilt mouldings.
Hieronimus, W., London.—Washable gilt, patent machine-made ornamented, and other frames and mouldings.
Stephens, H. C., London.—Stains for wood.
Universal Window Blind Co., South Shields.—Opaque and transparent window blinds.

Class 19.—Crystal, Glass, and Stained Glass.
Bailey, W. & J. A., Alloa.—Glassware.
Boulton & Mills, Stourbridge.—Cut crystal, engraved, etched, and other glassware.
Breffit, E., & Co., London.—Glass bottles of every description.
Chance Bros. & Co., Birmingham.—Plain, rough, coloured, and ornamented window-glass; photographic glass, &c.
Ciceri & Co., Edinburgh.—Engraved mirrors (Florentine patterns), carved wood and gilt frames.
Damon, R., Weymouth.—Models of diamonds.
Defries, J., & Sons, London.—Crystal chandeliers, table glass, &c.
Ford, J., & Co., Edinburgh.—Cut and plain table glassware, crystal chandeliers, lamps.
Fouracre & Watson, Plymouth.—Memorial windows to the late Allan Spowers, of Melbourne; glass for domestic purposes.
Kilner Bros., London.—Glass bottles.
Migliorinzi, G., London.—Pier chimney glasses, toilet glasses.
Pitman & Son, London.—Stained-glass window.
Sowerby & Co., Gateshead.—Pressed table glass in flint and in colours, Queen's-ware.
Sykes, Macvay & Co., Castleford.—Glass bottles; patent screw-mouthed bottle for aerated waters.
Webb, T., & Sons, Stourbridge.—Flint; coloured, plain, cut, engraved, etched, and enamelled glass. Crystal chandeliers. (See page 582.)

Class 20.—Pottery.

Bates, Gildea & Walker, Burslem.—Printed, gilt, and enamelled earthenware.
Brownfield, W., & Sons, Cobridge.—China, earthenware, ironstone and stoneware, majolica, &c.
Brown-Westhead, T. C., Moore & Co., Stoke-upon-Trent.—Porcelain, earthenware, majolica, terra-cotta, and sanitary-ware.
Campbell Brick & Tile Co., Stoke-on-Trent.—Encaustic, geometric, and majolica ornamental tiles for floors, &c.
Craven, Dunnill & Co., Ironbridge.—Encaustic and geometrical tiles, art tiles.
Defries, J., & Sons, London, E.C.—Pottery and earthenware.
Doulton & Co., Lambeth.—Sanitary pottery, stoneware, terra-cotta, art pottery.
Doulton, H., & Co., Lambeth.—Fine art pottery in Doulton ware, Lambeth faience-ware, decorative tiles.
Dulton & Watts, Lambeth.—Stoneware filters, bottles, jugs, &c.; stoneware used in chemical manufactories.
Fanley Iron Co., Farnley.—Enamelled bricks.
Finn, C. O., Stowmarket.—Kiln tiles.
Ha, J., & Co., Stourbridge.—Fire clay and bricks.
Haiblet, J., West Bromwich.—Terra-metallic goods for paving and building purposes, &c.
Hammersley, R., & Son, Burslem.—Earthenware, Rockingham-ware.
Harison & Son.—Colours, glazes, and other materials for potters' use.
Hop & Carter, Burslem.—Enamelled and gilt tab and toilet ware, vases, &c.
Maw & Co., Shropshire.—Encaustic tiles.
M'Biney, D., & Co., Fermanagh.—Porcelain and chin-ware.
Minta, Hollins & Co., Stoke-upon-Trent.—Tiles for prements, wall linings, fire-places, and hearths.
Minta & Co., Stoke-upon-Trent.—China, earthenware, parian, Henry II. ware, majolica, tiles, &c.
Moor Bros., Longton.—Decorated porcelain.
Pinde Bourne & Co., Burslem.—Earthenware and aistic pottery.

Powell, Bishop & Stonier, Hanley.—Breakfast, dinner, tea, and toilet services; ornaments.
Wedgwood, J., & Sons, Stoke-upon-Trent.—Earthenware of all descriptions, Queen's-ware, dinner and toilet sets.
Wood, W., & Co., Burslem.—China and earthenware.
Worcester Royal Porcelain Co., Worcester.—Biscuit-ware, Japanese and Chinese porcelain, terra-cotta, pierced ivory porcelain.

Class 21.—Carpets, Tapestry, and other Stuff for Furniture.

Atkins & Naylor, Kidderminster.—Brussels carpets.
Barbour & Miller, Glasgow.—Silk and wool tapestry curtains, furniture coverings, and muslin curtains.
Barton, J. E., Kidderminster.—Wilton and Brussels carpets.
Brunton, J., & Co., Kidderminster.—Carpets.
Child, W. M., Huddersfield.—Mattings, &c.
Clarke, E., & Sons, London.—Floorcloth.
Crossley, J., & Sons Limited, Halifax.—Tournay, Brussels, and patent tapestry velvet carpets; rugs and mats.
Fawcett & Watson, Stourport.—Carpets and rugs.
Hall, T., Edinburgh.—Imitation tapestry, painted by hand, suitable for wall decoration.
Henderson & Co., Durham.—Brussels, Axminster, and other carpets.
Humphries, J., & Sons, Kidderminster.—Brussels and Wilton carpets and rugs.
Laycock, S., & Sons, Sheffield.—Hair seating in plain black and colours and in damasks; upholsterers' materials.
Linoleum Manufacturing Co. Limited, London.—Linoleum floorcloth.
Lyle, J., & Co., Glasgow.—Axminster carpeting, hearthrugs, Brussels carpets, door-mats.
Morton & Sons, Kidderminster.—Royal Axminster carpets, Wilton and Brussels carpets.
Tapling, T., & Co., London.—Axminster carpets.
Thom & Lawson, Glasgow.—Carpets, rugs, curtains.
Tomkinson & Adam, Kidderminster.—Axminster carpets, in one piece and woven in breadths.
Walker, J., & Sons, Huddersfield.—Astrachan rugs.
Watson & Naylor, Kidderminster.—Kidderminster carpets.
Webb, E., & Sons, Worcester.—Horsehair carpets, known as Worcester carpets, damask hair seatings.
Whittall, M., & Co., Kidderminster.—Brussels and velvet-pile carpets.
Willis, H. R., & Co., Kidderminster.—Wilton-pile carpets.
Woodward, Grosvenor & Co., Kidderminster.—Velvet-pile, bordered Brussels, stair carpet.

Class 22.—Paperhangings.

Allan, J., & Son, London.—Paperhangings.
Carlisle & Clegg, London.—Paperhangings.
Cooke, W., Leeds.—Paperhangings.
Darwen Paper Staining Co., Levesey Fold.—Paperhangings and wall decorations.
Heywood, Higginbottom, Smith & Co. Limited, Manchester.—Paperhangings.
Jeffrey & Co., London.—Artistic paperhangings, embossed leather, and flock papers.
Potter, C. & J. G., Darwen.—Machine and hand printed paperhangings.
Scott, Cuthbertson & Co., London.—Raised flock paperhangings; pilasters for drawingrooms, and papers to match.
Woollams, W., & Co., London.—Paperhangings, wall and ceiling papers, embossed leather.
Wylie & Lochhead, Glasgow.—Paperhangings and decorations.

Class 23.—Cutlery.

Blyde, J., Sheffield.—Scissors, razors, knives.
Evans & Wormull, London.—Table and pocket cutlery, Perry's patent pocket scissors.
Gorrill, R., Sheffield.—Scissors.

Webb, T., & Sons, Dennis Glass Works, Stourbridge, England. London Offices and Showrooms, 11 Charterhouse-street, Holborn Circus; Paris Dépôt, 27 Rue des Petites Ecuries; Australian Dépôts, 41 Little Collins-street East, Melbourne; George-street, Sydney; Messrs. Brookes & Foster, Brisbane.—This exhibit consisted of Flint, Coloured, Plain, Cut, Engraved, Etched, and Enamelled Glass Chandeliers, Lustres, Wall Lights, Flower Brackets and Centres; Jardinieres; Cheap Plain Flint Glass of all descriptions; the patented "Scarabæus" and "Bronze Glass," and the recently patented "Hyalanthine" Glass; for which Messrs. Thomas Webb & Sons received three first awards (**Gold Medals**)—viz., one from the Fine-Art Jury, for their really artistic work in engraving and etching on glass, and the other two **Gold Medals** for their glass manufactures and chandeliers.

The history of glass-making is closely interwoven with the history of civilisation. It is of such remote age that tradition has invested its first introduction with a mythical origin—a sure sign of extreme antiquity. In the British Museum is exhibited a glass perfume bottle from Ancient Egypt, inscribed with the name of Thotmes III., B.C. 1500; and another small glass vase from the ruins of Nineveh, bearing the name of the Assyrian monarch, "Sargon," B.C. 719. To excel in its manufacture has been the ambition of both ancient and modern nations. Tyre and Sidon—the Murano of the old world—come next. Then Venice, in the middle ages, became renowned for its productions in this beautiful material, the manufacture being subsequently removed for greater safety to the Island of Murano, in the Venetian Lagoon. The Flemish drinking glasses and German goblets of the sixteenth and seventeenth centuries next became celebrated. In modern times France took the lead, by means of State aid and encouragement, the Cristalleries de Baccarat being virtually a State institution, on the same footing as the Sèvres and the Gobelins-tapestry manufactories. But more recently Messrs. Thos. Webb & Sons have not only rivalled, but out-distanced, all others in this interesting and artistic manufacture, and at the great International Exhibition at Paris, in 1878, this excellence was generously and fully recognised by the award of the "Grand Prix," and the subsequent bestowal upon Mr. T. W. Webb—one of the members of the firm of Thomas Webb & Sons—of the Cross of the Legion of Honour.

One of the most prominent objects in the whole of this exhibit was the **AURORA VASE**, which was shown in an unfinished state at the Paris Exhibition. The body of the vase consists of upper and under shells or layers of glass, one blue, and the other white opal. The drawing on the front is in white, and the blue, which has been laid bare, serves as a background; the other side is ornamented with scroll work in white, which has been introduced since the Paris Exhibition. The artistic work has been executed by Woodall, one of the artists engaged at the Works. This vase has been purchased by the Government of New South Wales for the Sydney Museum.

Another very beautiful exhibit was the **CRYSTAL VASE**, designed after one of the Elgin marbles; the figures are all in relief, the surrounding material having been cut away by the lathe. F. Kny was the artist by whom this design was executed. Next in point of interest comes the **SOCRATES VASE**, which is a specimen of a totally different process of operating on glass to either of the previous ones—viz., with acid. The designers of this and the companion pair, the **BEARDED BACCHUS**, are the Brothers Northwood.

IRIDESCENT GLASS AND BRONZE GLASS held a very prominent position in this exhibit. The shapes of the various vases, jugs, and cups were copied from the antique pottery discovered by Schliemann on the supposed ruins of Troy and Mycenæ; very curious blendings of green, blue, and yellow are to be seen in these. No special designs can be shown in this description of glass, as through the peculiarity of its manufacture very much has to be left to chance.

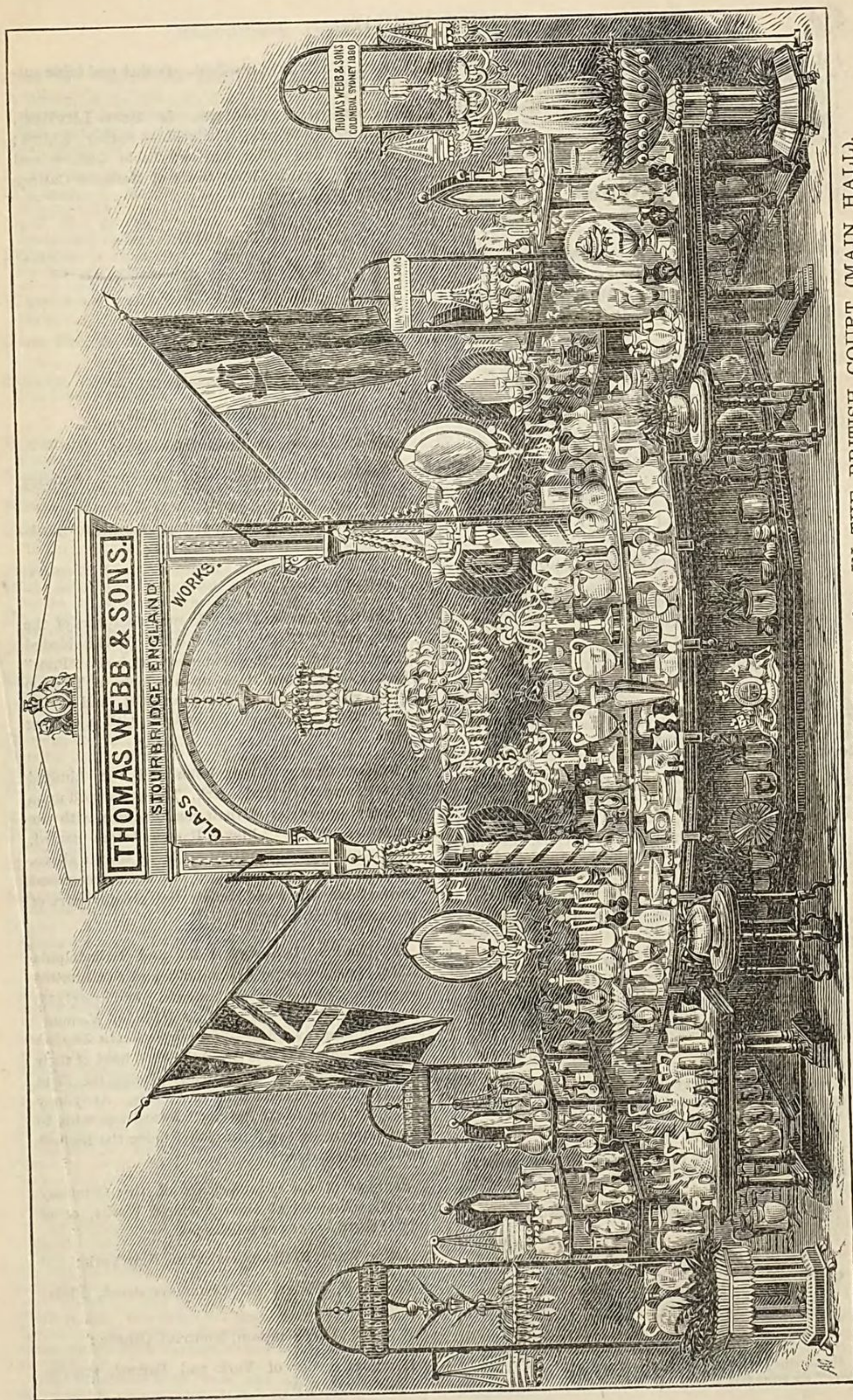
In addition to the above there was a large collection of cut glass of every description, from the most elaborate to the simplest. One of the chief features of this portion of the exhibit was the "Service of Glass," consisting in all of 97 pieces, with engraved monogram, and comprising everything that is necessary for an ordinary modern house.

Messrs. Thomas Webb & Sons' factory at Stourbridge is most conveniently situated for the production of every description of glass, as amongst the carboniferous shales of the district there is found a clay of remarkable fire-resisting power and freedom from mineral impurity, which is admirably suited for the construction of pots or crucibles, which play so vital a part in the manufacture of glass. These crucibles are made in the works, and the building them up of Stourbridge clay is a work of time and great skill, causing them when finished to be articles of considerable value. They are made with a dome-shaped roof and lateral opening, it being important to protect flint glass from the furnace gases, which would detrimentally influence its colour. At these works the business of pot making takes place once a year, a sufficient stock being then made to last during that period. The vessels are constructed to hold about one ton of "metal," as the molten glass is technically termed.

Messrs. Thos. Webb & Sons manufacture table glass in all its coloured varieties. The pigments for producing the different shades comprise oxide of gold (ruby), cobalt (blue), chromium (green), uranium (yellow), manganese (purple), arsenic (opalescent white). The dust resulting from the manufacture of pins finds a useful application in the production of coloured glass, giving to the vitreous mixture a beautiful blue-green tinge. The above colouring substances are introduced into the melting pots.

The manufactures exhibited by Messrs. Thomas Webb & Sons have, in addition to the three Gold Medals at Melbourne, been awarded the highest prizes at many International Exhibitions. Amongst these may be mentioned the only Grand Prize awarded for glass at the Paris Exhibition in 1878, together with the Cross of the Legion of Honour awarded to Mr. T. W. Webb, a member of the firm, the only Gold Medal granted for the same class of manufacture at Sydney, a Special Prize at the Brisbane Exhibition, and a Silver Medal at the Sydney Agricultural Society's Show, 1881.

Messrs. Thomas Webb & Sons are represented in the Australian colonies by Mr. B. W. Gribbs, who had charge of their Exhibition collection both at Melbourne and Sydney. They are also agents for the celebrated china and earthenware of Minton and Josiah Wedgwood & Sons.



MESSRS. THOMAS WEBB & SONS' EXHIBIT OF GLASS, &c., IN THE BRITISH COURT (MAIN HALL).

Johnson, Christopher, & Co., Western Works and Western Steel Works, Sheffield. — Cutlery. Awarded First Order of Merit for Cutlery (Gold Medal).



The Collection exhibited by Messrs. Christopher Johnson and Co. included :—

Table Knives and Forks, with Black Horn, Stag Horn, Buffalo Horn, White Bone, and Ivory Handles ;

Presentation Cabinets and Cases of Cutlery ;
Butchers' Knives and Steels, Sheath Knives ;
Putty, Palette, Painters' and Glaziers' Knives ;
Bread, Butter, Oyster, and Cooks' Knives ;
Electro-plated Dessert Knives and Forks ;
Fish Carvers and Fish Knives and Forks ;
Pen and Pocket Knives ;
Sportsmen's Knives, Farriers' Knives ;
Pruning, Budding, and Foot-rot Knives ;
Dagger and Hunting Knives ;
Scissors, Tailors' Shears, Barbers', Paper Hangers', and Surgeons' Scissors ;

Ladies' Cutting-out and Embroidery Scissors ;

Pruning and Vine Scissors ;

Presentation Cases of Scissors ;

Razors, a general assortment.

(See also Class 82.)

Mayer & Meltzer, London.—Cutlery.

M'Ewan, J., & Co., London and Melbourne.—Cutlery, of various descriptions.

Read, T., Birmingham.—Cutlery, silver-plated by the "Arcanum" process.

Rodgers, Joseph, & Sons Limited, 6 Norfolk-street, Sheffield.—Cutlery. Awarded First Order of Merit for Cutlery (Gold Medal).

The Collection exhibited by Messrs. Joseph Rodgers & Sons Limited included examples of the various articles of their manufactures :—

Pocket Knives, from the lowest prices upwards ;

Highly-finished Sporting Knives, with all sorts of instruments for shooting, fishing, and other country pursuits ;

Bowie and Hunting Knives, with sheaths mounted in steel, Nevada silver, and real silver ;

Razors of every description, particularly the modern concave or hollow-ground blades, which have very keen and smooth edges ;

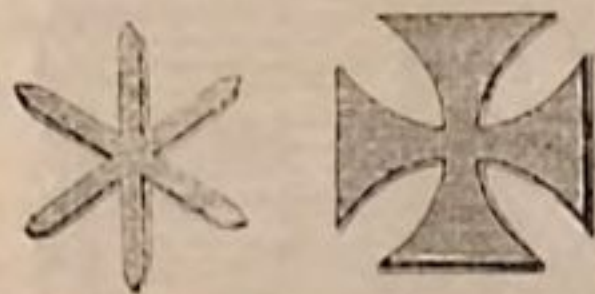
Scissors of every description, arranged in sets of from three to seven pairs ;

Table Cutlery of all kinds, especially the recently-introduced Ebonite Handles, which cannot be separated from their blades ;

Carvers of "warranted good" quality ;

Fancy-carved handle Bread Knives, Plated Dessert Knives and Forks, Fish Knives and Forks, and Carvers ;

Butchers' Knives and steels, of the best quality, and in great variety.



Articles, exhibited, manufactured by Messrs. Joseph Rodgers and Sons Limited, who are Cutlers to Her Majesty Queen Victoria, are stamped (in addition to the name) with their trade mark—a "Star and Cross," as annexed.

Ward, F., & Co., Sheffield.—Pocket and table cutlery, and scissors.

Wostenholm, George, & Son Limited, Washington Works, Sheffield. — Spring Knives ; Hunting and other Knives ; Table Cutlery and Razors. Awarded First Order of Merit for Cutlery (Gold Medal).

TRADE



MARKS.

The Collection exhibited included :—

Pocket and Pen Knives of all kinds ;

Fine Table Knives, Butchers' Knives ;

Gardeners' Pruning, Grafting, and Budding Knives ;

Hunting and Lock, Sporting, Farmers', Stock-breeders', and Fishermen's Knives ;

Razors and Scissors.

The Exhibitors are the sole manufacturers of the Celebrated "*Doubly Carbonized*" or Thin-bladed Razors, and of the Famous Original "*PIPE*" Razors—the Trade Mark upon which (a Tobacco Pipe) was granted in the year 1694, and is the oldest Mark now in use for articles with a cutting edge.

Messrs. George Wostenholm and Son Limited have also another Trade Mark. This is stamped upon all genuine articles of their manufacture, with the exception of the "*PIPE*" Razors before named, and consists of the letters I-XL, as shown above. By this Mark their Cutlery has been recognised throughout the world during the greater part of the present century.

At London (1851 and 1862) and Philadelphia (1876) Messrs. George Wostenholm and Son Limited were awarded the highest honours. At Paris (1855) they obtained the "*Large Gold Medal of Honour*"—the only one awarded—"for perfection in English Cutlery ;" and at Paris (1867) the then head of their Firm was chosen as Juror—thus placing the Firm *Hors Concours* in the matter of Awards. At Sydney (1879) a "*First Class Special*" Award was made to the Company by the Jurors, this being the highest honour obtainable.

Samples of the manufactures of this Company may be obtained at their Sheffield Works, or of any of their Agents, as follows :—

Asline Ward, 29 Chambers-street, New York ;

Joseph S. Fisher, 411 Commerce-street, Philadelphia ;

B. and S. H. Thompson, Montreal, Canada ;

H. King, corner of York and Barrack streets Sydney, N.S.W.

Class 24.—Goldsmiths' and Silversmiths' Work.

Boardman & Glossop, Sheffield.—Electro-plate.
Dixon, J., & Sons, Sheffield.—Silver, electro-plate, Britannia-metal, and nickel silver wares.
Harrison, W. W., & Co., Sheffield.—Electro-plated ware.
Lee & Wigfull, Sheffield.—Electro-plated ware.
M'Ewan, J., & Co., London and Melbourne.—Electro-plated tea and coffee services, &c.
Neal, J., & Co., London.—Pyro-silver cutlery, spoons and forks, and electro-plated ware.
Roberts & Belk, Sheffield.—Electro-plated ware.
Walker & Hall, Sheffield.—Sterling and nickel silver, plated cutlery, Britannia-metal goods.
Woodward, H., & Co., Birmingham.—Electro-plate.

Class 25.—Bronzes and various Art Castings and Repousse Work.

Singer, J. W., & Son, Frome.—Silver, copper, and brass repoussé rosewater dishes, lecterns.

Class 26.—Clocks and Watches.

Buckney, D., London.—Pocket chronometers, watches, balance springs, &c.
Kullberg, V., London.—Marine and pocket chronometers, keyless lever watches.
Nicole, Nielsen, & Co., London.—Watches.

Class 27.—Apparatus and Processes for Heating and Lighting.

Barnes & Co., Birmingham.—Chandeliers.
Bell & Black Limited, London.—Wax vestas, tapers, in paper, wood, and fancy tin boxes.
Briscoe, W., & Son, Wolverhampton.—Gas lamps and chandeliers, ranges and grates.
Brown & Green Limited, London.—Kitcheners, portable cooking stoves.
Bryant & May, London.—Safety and other matches, cigar lights.
Flavel, S., & Co., Leamington.—Kitcheners, fitted with roaster, oven, grilling apparatus, &c.
Grove, G. W., Leamington.—Kitchen ranges.
Hinks, J., & Son Limited, London.—Lamps.
Hunt, J., & Co., Birmingham.—Gasaliers.
Kelly, A., London.—Railway carriage and platform lamps.
Kerr, E., jun., Dublin.—Windproof lamps.
M'Ewan, J., & Co., London.—Portable cooking-stoves and utensils, fire grates, lamps, &c.
Morgan & Waide, Rotherham.—Register stoves, fenders, fire-irons.
Musgrave & Co. Limited, Belfast.—Slow combustion ventilating stoves and air warmers.
Nisbet, A., & Son, Star Foundry, Glasgow.—Kitchen Ranges and Register Grates. Awarded First Order of Merit for Cooking Ranges (Silver Medal).

The large Cooking Range exhibited was specially designed for Hotels, Clubs, Restaurants, Mansions, and Private Houses. Its chief feature is its suitability for extensive cooking operations with but small consumption of fuel. All parts subject to the wear and tear of fire are made extra strong. The Range includes two large ovens for baking and roasting, and a Bright Brander, fitted above the fire, for grilling steaks, chops, &c. The Grate is constructed so as to permit roasting in front of it, and is adapted for burning either coal or wood. For regulating and economising the consumption of fuel dampers are provided. The hot plate is large enough to furnish ample accommodation for boiling, while the rack fitted between covings is useful for warming plates. A large pressure boiler, affording a supply of hot water for scullery purposes, baths, &c., is attached to the range.

The economical Kitchener is suitable for a good private dwelling-house. It has two ovens for baking and roasting respectively, and is fitted with a pressure boiler for the supply of hot water to baths, kitchen, &c. One small fire heats ovens, boiler, and hot plate, an economical and inexpensive cooking arrangement for a moderate-sized family thus being secured.

The Kitchener with oven and side boiler is a serviceable and inexpensive Cooking Range.

The Hob Register Grate — newest design — is finished in Berlin black with brass moulding, and relieved with brass enrichments. The covings round the fire-place are fitted with china tiles, illustrating scenes from the *Waverley Novels*, a very pleasing and attractive feature in this Grate.

The Dining Room Grate is finished in Berlin black, fitted with electro-bronzed panels and canopy of elegant design, and has also a brass moulding fitted to front.

The Dining Room Grate, finished in Berlin black, and cheeks fitted with Pictorial Tiles, in rich colours, is neat and inexpensive.

The cheap Parlour Grate is of ornamental design, and finished in Berlin black.

Oerton, Grimley & Jagger, Walsall.—Carriage lamps.

Parkes, B., & Sons, near Dudley.—Fire-irons, fenders, grates.

Portway, C., Halstead.—Slow combustion stoves.

Radclyffe & Co., Leamington.—Kitcheners.

Rowatt, T., & Sons, London.—Amicapiuc table lamps.

Silver Light Co., London.—Duplex-burner table lamps.

Sim, F. R., Edinburgh.—Crystal gasaliers and brackets.

Smith & Wellstood, London.—British-made American oil and gas cooking and warming stoves and ranges.

Steele & Garland, Sheffield.—Warm air, dog, and other stoves, fenders, fire irons, &c.

Sugg, W., Westminster.—Photometers, illuminating meters and gas apparatus.

Wright & Butler, Birmingham.—Kerosene lamps, cooking stoves, lanterns, lamps, chandeliers.

Wright, George, & Co., Rotherham.—Stove grates, fenders, ranges, &c.

Yates, Haywood & Co., Rotherham.—Stoves, fenders, cooking ranges, air stoves, marble chimney-pieces, chairs, tables &c.

Zimmermann & Co. London.—Table lamps.

Class 28.—Perfumery.

Atkinson, J. & E., London.—Perfumes, toilet soaps, powders, cosmetics, pomatum, hair washes.

Crown Perfumery Company, London.—Perfumery, pomades, and toilet requisites.

Gosnell, J., & Co., London.—Perfumery and toilet requisites.

Piesse & Lubin, London.—Perfumery and other toilet requisites.

Price, N., & Co., London.—Perfumery, fancy soaps, tooth powder, &c.

Rimmel, E., London.—Perfumery and toilet requisites.

Class 29.—Leather-work, Fancy Articles, and Basket-work.

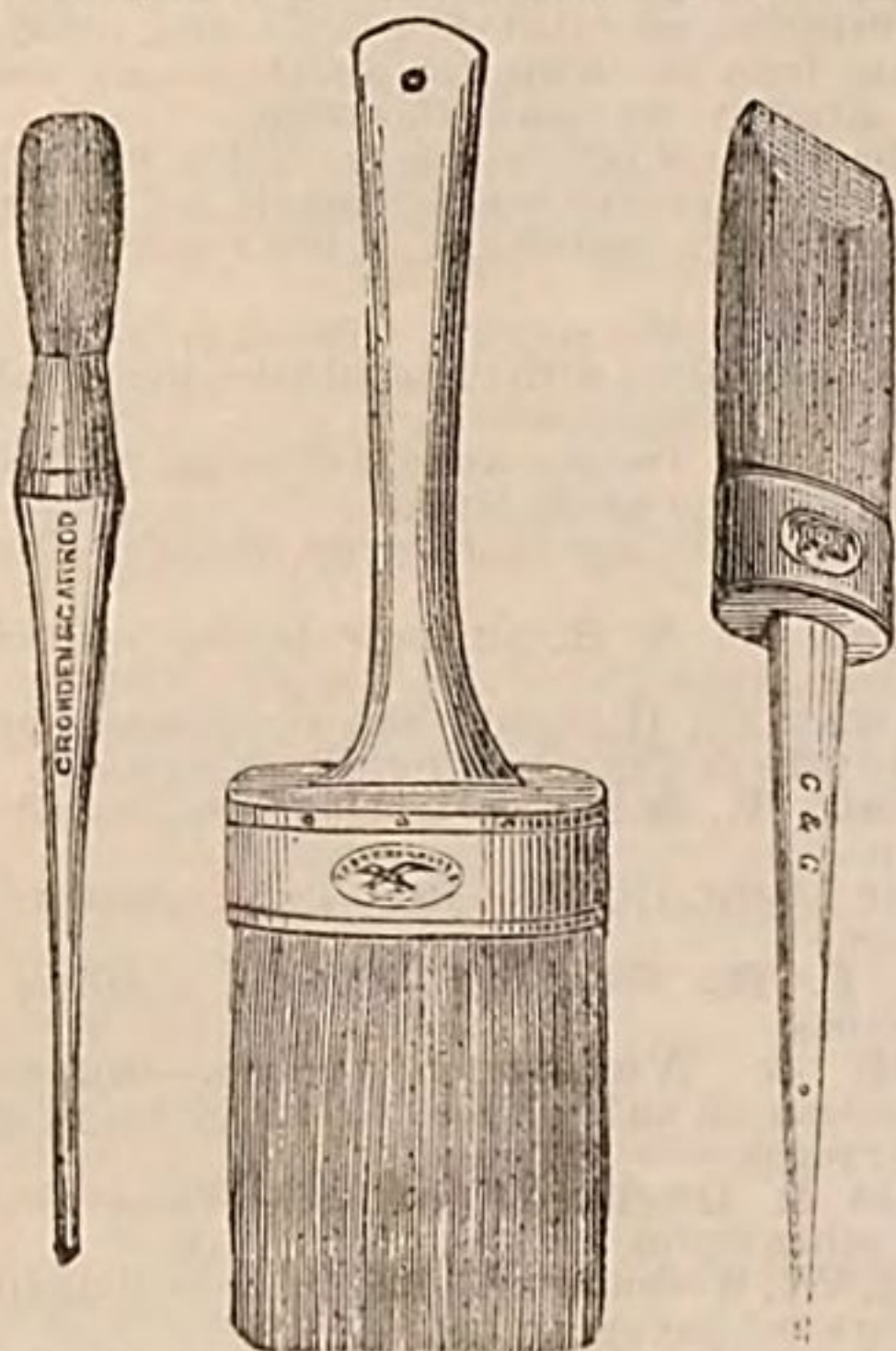
Crowden and Garrod, Falcon-square, London.—Brushware. Awarded First Order of Merit for Brushware (Silver Medal).

The Collection exhibited by this Firm comprised very excellent specimens of their manufactures, and included the "Falcon" Painting Brushes, the quality and finish of which have made the name and brand so celebrated.

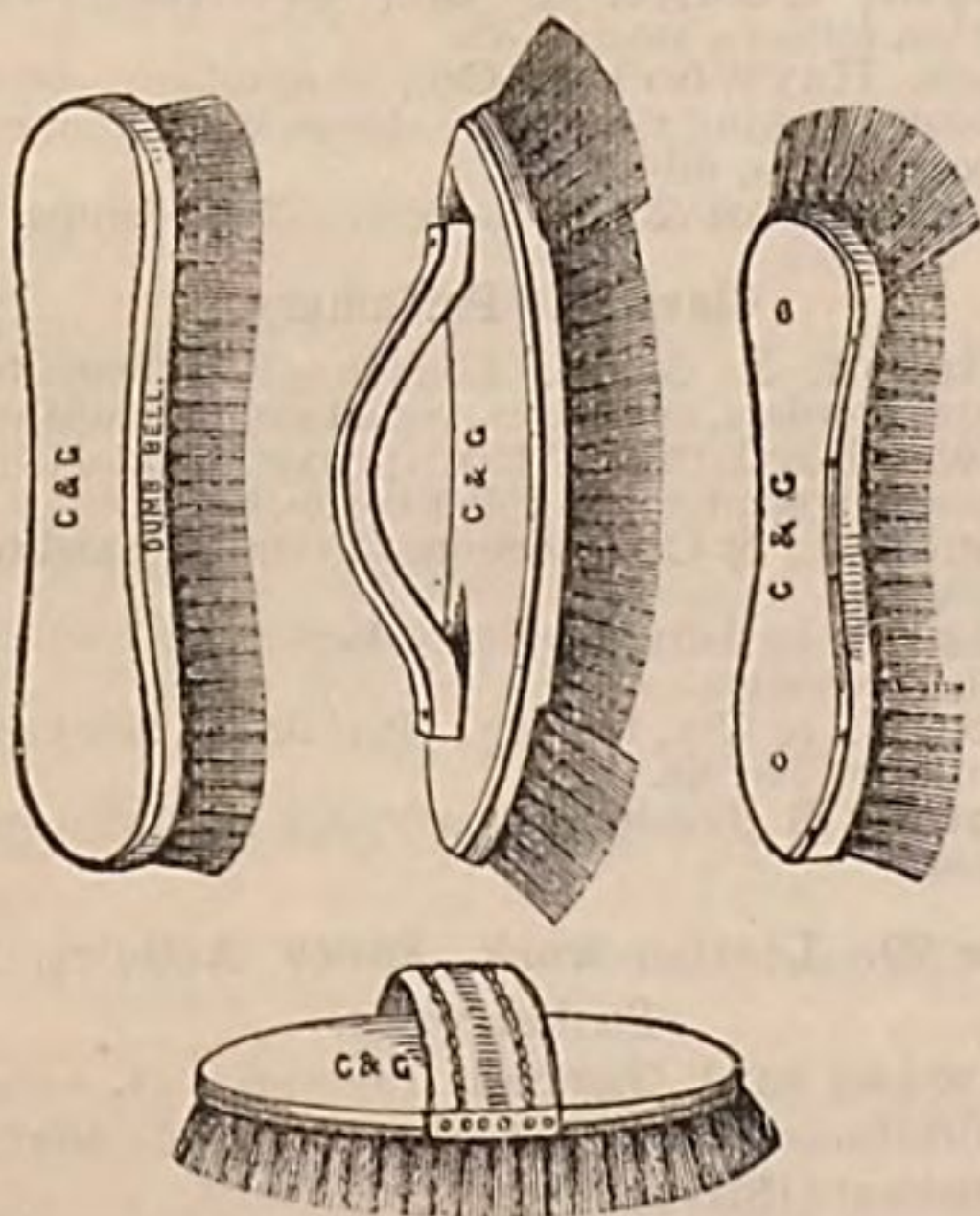
Great improvements have been made in the manufacture of these goods, the cement used securing the bristles under any circumstances. This will be found very advantageous in respect to Varnish Brushes, which can now be used in Paint, Oil, &c., as well as Varnish—as formerly Brushes for this purpose could be used for Varnish only.

Copper Bands were introduced by this Firm some years since, superseding the string with which Painting Brushes are usually made; and no doubt their Patent Copper Oval Ground Brushes, Varnish Brushes, Sash Tools, and Distemper Brushes, as illustrated above, will be as much used by decorators in the Colonies as they are in the United Kingdom.

The Patent Copper Band Distemper Brushes will be found a great improvement on the old style in *two knots*, as with these there are no knots to

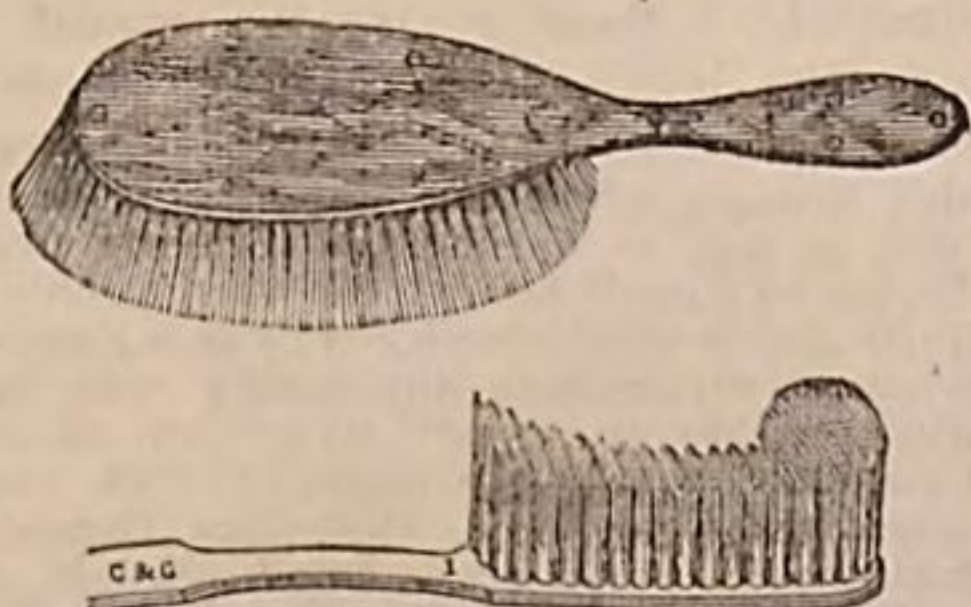


break off, and the handle is so formed that it prevents the bristles coming through.



The Household and Stable Brushes are worthy of attention, from their uniformity in quality, superiority in finish, and excellent value.

Hair and Cloth Brushes are also manufactured in Ivory, Bone, and Satin Wood, &c., in very large quantities.



The "Falcon" Tooth Brushes are a spécialité, for

the knots are wire-drawn, fixed with cement, and also waxed-backed, and being made of selected unbleached bristles, which, although not so white or attractive-looking as the bleached ordinarily in use, will be found to wear twice as long, as bleaching to a great extent impoverishes the bristle. With these improvements the hairs neither break off nor fall out.

The present Firm succeeded to the old celebrated house of Thomas Kent and Co. in the year 1847, and now holds the highest position in the wholesale brush trade. For many years the home trade engrossed attention, but now this and the export business have increased to such an extent that new, enlarged, handsome, and very commodious premises are in the course of erection in Southwark-street, and by the end of the year the business will be conducted there. Some idea of the extent of the business carried on may be gathered from the fact that ten representatives are engaged, whilst the number of *employés* and workpeople, &c., amount to upwards of two hundred.

The representation of a "Falcon" is the appropriate Trade Mark of the Exhibitors, and this guarantees the quality of all goods that are so stamped. Illustrated Catalogues of the most exhaustive character, include all the various kinds of Brushes, as well as Door Mats, Carpet Whisks, Chamois Leathers, India Rubber Knife Boards, Knife Cleaning Machines, Mincing, Washing, &c., Machines, and all labour-saving and Household Machinery, Plate Powders, Knife Polish, Black Lead, &c., Turnery, all manufactured by the firm. Ironmongers' Sundries, Fancy Goods, Games of all kinds, are also included in the List. The Exhibitors are sole wholesale agents for Robinson's Indexical Silver Soap, so well known and appreciated for cleaning and polishing Silver, Electro Plate, &c., without waste and dust.

The Exhibitors obtained the "Highest Award" at Sydney, 1879.

Hamilton & Co., London.—Brushware.

Kent, G. B., & Co., London.—Brushware.

Stewart, S. R., & Co., Aberdeen.—Combs and other horn and tortoise-shell goods.

Titterton & Howard, London.—Assortment of toilet brushware.

Class 30.—Cotton Thread and Fabrics.

Ainsworth, T., Carnforth.—Fine threads.

Ashworth, Edmund, & Sons, Egerton Mills Bolton.—Cotton, in the various stages of manufacture; Cop Yarns; Doubled Yarns, in two, three, four, six, and nine folds; Sewing Cottons; Crochet Cottons, in skeins, balls, and on reels; Knitting, Mending, and Embroidery Cottons; Cotton Balls; Linen-finish and Silk-finish Threads, &c. Awarded First Order of Merit for Sewing and other Cottons (Gold Medal).

TRADE MARKS.



The manufacture of the goods exhibited has

been carried on by Messrs. Ashworth and Sons for more than a hundred years, and the demand for their special makes of Sewing Cotton in Six-cord and patent Glacé is large and increasing.

The material marked "XX Egerton Silk Finish," is largely used by Dressmakers, Mantlemakers, and Hatmakers, for Quilting, and by workers in Leathers, who are accustomed to use the best qualities of silk.

By means of carefully selected material, and a peculiar operation, the Exhibitors have succeeded in producing an article which will in most cases take the place of silk.

At the International Exhibitions of London, 1862, Paris, 1867, Vienna, 1873, Philadelphia, 1876, Paris, 1878, and Sydney, 1879-80, Gold and other Prize Medals and Awards were received by the Firm.

Mr. F. A. Burkitt, of 20 Flinders-lane, is the Melbourne Agent of the Exhibitors.

The Warehouses of Messrs. Ashworth & Sons are, in England—22 Wood-street, London, and 43 Fountain-street, Manchester; in the United States—54 Leonard-street, New York.

Booth & Fox, London.—Cotton and other plain and printed down quilts.

Chadwick, J., & Bros., Bolton.—Sewing cottons.

Clark & Co., & Clark Thread Co., Paisley.—Sewing, crochet, and embroidery cotton.

Coats, J. & P., Paisley.—Six-cord cotton for machine and hand sewing; crochet and tatting cottons.

Crawdson, Crosses & Co. Limited, 40 Portland-street, Manchester; 10 Lawrence-lane, London; 77 Queens-street, Glasgow. Mills: Bolton and Farnworth.—White Calicoes, comprising Heavy Mediums, Double Warps, Long Cloths, Stout Shirt Cloths, and Twills. Awarded First Order of Merit for Bleached Calico (Gold Medal).

The Goods exhibited by Messrs. Crawdson, Crosses & Co. Limited have had the highest reputation in the Home Trade for upwards of fifty years. They are always stamped with the

REGISTERED TRADE MARK,

CREWDSON & COMPY. MANUFACTURERS.

Messrs. Crawdson & Co. received Awards and Prize Medals at the following International Exhibitions:—

London Exhibition, 1862.

Paris Universal Exhibition, 1867.

South African International Exhibition (at Cape Town), 1877.

Paris Universal Exhibition, 1878.

Sydney Exhibition, 1879.

Evans, W., & Co., Derby.—Cotton thread on spools, skeins, cards, and balls.

Ferguson Bros., Carlisle.—Silesias, pocketings, satteens, serges, mixed cotton and silk goods for tailors' linings.

Harrison, E., & Co., Plain and Fancy Cotton Dress Goods. Mills: Oldham and Todmorden. Warehouses: No. 10 Minshull-street, Manchester; and 49 Bow-lane, Cheapside, London. Awarded First Order of Merit for Cotton Dress Goods (Gold Medal).

The Goods exhibited comprised:—

SATTEENS, ROYAL RIBS and DRILLS, all of which are suitable for the manufacture of Ladies' Corsets, Boots, and the lighter makes for under-clothing;

TRADE MARK



GALATEA STRIPES.



ATTALEA TWILLS, JEANS, SILVINA CLOTHS, TWILLS, MATTINGS, VICTORIA DIAGONALS, and IDRI CLOTHS, made in widths varying from 18 to 40 inches wide. The widths generally kept in stock are 27, 29, and 31 inches; all are useful for Ladies' and Children's Clothing;

FANCY WOVEN DRESS GOODS, such as GALATEAS, ISMAILIANS, ANGIRAS, GANDAVA and KAMAR CLOTHS;

A selection of the new styles of Chintz, Printed and Dyed Satin Dress Goods, and Cotton Italian Cloths;

SATTEEN QUILTS from 9 quarter to 14 quarter, with white and coloured borders.

In the manufacture of these goods very great care is taken in the preparation of the yarns, so that the goods may be kept as free as possible from imperfections, and everything removed which would prevent the cloth taking the dyes and finish perfectly.

The very best dyes are used for the purpose of producing brilliancy and fastness of colour.

The Looms employed to make these goods can be adapted to the making of any fancy designs of a similar description, and new designs are issued annually by the Exhibitors, who are at all times ready to adapt their machinery to meet the requirements of the period.

The goods exhibited were not manufactured specially for this Exhibition, but selected from the various classes regularly produced by the Firm.]

Haslam, John, & Co., Meal-street, Manchester. Mills: Halliwell Cotton Works, Derby-street Mills, and Lark-hill Mills, Bolton. Warehouses: 3 Meal-street, Manchester; 25 Milk-street, London; 12 Miller-street, Glasgow; and 114 Franklin-street, New York, U.S.A.—Cotton Fabrics. Awarded First Order of Merit for Cotton Dress Goods (Gold Medal), and Second Order of Merit for Bleached Calico.



The Collection exhibited by Messrs. John Haslam and Co., who are Spinners and Manufacturers, included:—

Brocades, Satteens, Velveteens, Checks, Stripes; Grey and White Shirtings, Long Cloths, Twills, and other heavy goods;

Muslins, Cambrics, Lawns, Mulls, Jaconets, Nainsooks, &c.

The Exhibitors, who have been established about three-quarters of a century, are Spinners for the home and foreign markets of mule spinnings from 40's upwards, principally from Egyptian and Sea Island Cotton.

Johnson, J., & Fildes. Manchester.—Quilts, quiltings, cotton blankets, towels, table and toilette covers.

Kerr, Price, & Co., Paisley.—Sewing cottons.

Swainson, Birley & Co., Preston.—Long cloths, heavy shirtings, twills, plain and fancy muslins, &c.

Ullathorne & Co., London.—Twines, threads, flax, silks, hemp, elastic webbing.

Class 31.—Thread and Fabrics of Flax, Hemp, &c.

Ainsworth, T., Whitehaven.—Linen threads for sewing-machines and hand-sewing, linen towels.

Anglo-American Rope & Oakum Co., Liverpool.—Machine-picked and spun oakum.

Barbour, W., & Sons, Lisburn.—Linen thread; shoe, gilling, and netting thread; linen and hemp yarns.

Belfast Ropework Co. Limited, Belfast.—Tarred Russian hemp rope, white Manila rope.

Bessbrook Spinning Co., Bessbrook.—Flax in the various stages of preparation, ready for weaving; linen fabrics.

Crum, W., & Co. Manchester.—Printed percales, satteens, and other fancy cloths.

Great Ancoats Flax & Hemp Spinning Co. Limited, Manchester.—Heavy yarns for twine, cords, and ropes; plain, coloured twines.

Harris, J., & Sons, Cockermouth.—Linen threads for hand and machine sewing.

Hounsell, W., & Co., Bridport.—Lines for ships' use, fishing-lines, twines, cords, &c.

Liverpool Spun Oakum Co., Liverpool.—Archibald's patent spun and navy oakum.

Marshall & Co., Leeds.—Linen threads, for boot-making, clothing, bookbinding, &c.

M'Gregor & Co., Dundee.—Canvas hose for fire brigades, and hose couplings and directors.

Northern Spinning & Weaving Co. Limited, Belfast.—Linen yarns, linens, handkerchiefs, cambrics.

Rogers, J., Belfast.—Roofing, sarking, patent, inodorous, and patent hair felts.

Shields & Co., Perth.—Linen damasks of all the newest designs; towellings and napery.

Ullathorne & Co., London.—Flaxen thread, &c.

Webster, F., & Sons, Arbroath.—Flax, hemp, and cotton canvas and tarpaulins, flax and hemp twines.

York-st. Flax-spinning Co. Limited, Belfast.—Linen manufactures.

Class 33.—Woollen Yarn and Fabrics.

Bliss, W., & Son, Chipping Norton.—Tweeds, serges.

Brooke, J., & Son, Huddersfield.—Fancy woollens, woollen and worsted fabrics.

Crossland, B., & Sons, Huddersfield.—Sealskins, astrachans, cloths, rugs, and superfine broads.

Firth, T. F., & Son, Brighouse.—Cloths, railway rugs.

Hogg Bros., Selkirk.—Scotch tweeds.

Hooper, C., & Co., Stonehouse.—Superfine broads, coatings, trouserings; military, naval, hunting, carriage, and riding cloths.

Hunt & Winterbotham, Cam-Dursley.—West of England cloths.

Jones, P., Newtown.—Welsh flannels, "Euklisia" rugs.

Lawton, G., & Sons, Mossley.—Flannels.

Libby, J., & Co., Stroud.—Superfine broads and narrows, fancy coatings and trouserings.

Mahoney, M., & Bros., Cork.—"Blarney" and other tweeds.

Marling & Co., Stroud.—Superfine broads, beavers, Meltons, Altonas, Venetians, doeskins, &c.

Randall & Way, London.—Waterproof quorn cloths, for riding, &c.

Rust, T. W., & Co., St. Nicholas-square, Leicester (Partners: Hobson, Barfoot and Rust).—Spinners of Fingering, Fleecy, Alloa, and other Yarns for Knitting and Embroidery. Awarded First Order of Merit for Woollen and Worsted Goods (Gold Medal).



TRADE MARK.

This Collection included Fingering, Fleecy, Alloa, Lambswool, and Worsted Yarns; Knittings, Worsteds; Berlin, Shetland, Andalusian Wools, and Saxony Worsted and Hosiery Yarns for Weaving, &c., all produced by the Exhibitors, whose Trade Mark as Spinners is here illustrated.

Salter, S., & Co., Trowbridge.—Woollen goods and fancy trouserings.

Stansfeld, Brown & Co., Bradford.—Lastings and serges.

Stanton & Son, Stroud.—Cloths, tweeds, and fancy coatings.

Strachan & Co., Stroud.—West of England woollen fabrics.

Turner, J. B., & Co., Huddersfield.—Fancy woollen and worsted trouserings, cheviots, serges.

Walker, J., & Sons, Huddersfield.—Sealskins, astrachans, rugs, &c.

Class 34.—Silk and Silk Fabrics.

Gibson, S., London.—Machine silk.

Lawton, G., & Sons, Manchester.—Silk warp flannels.
 Milner, W., & Sons, Leek.—Sewing silks.
 Rickards, C. A., Leeds.—Machine silks.
 Ullathorne & Co., London.—Sewing silks.

Class 35.—Shawls.

Bliss, W., & Son, Chipping Norton.—Shawls.
 Cranston & Elliot, Edinburgh.—Tartan plaids, shawls, mauds, and squares.
 Jones, P., Newtown.—White and coloured shawls.

Class 36.—Lace, Net, Embroidery, and Trim-mings.

Kulp, H. N., & Son, Nottingham.—Lace, lace curtains, cotton and silk lace.
 Tutill, G., London.—Masonic and other regalia.

Class 37.—Hosiery and Underclothing, and Accessories of Clothing.

Brooke, J., & Co., London.—Ladies' and gentlemen's linen-faced and paper collars and cuffs.
 Corder & Turley, Birmingham.—Solid steel and paragon umbrella ribs and furniture.
 Coventry Elastic Weaving Co. Limited, Coventry.—Elastic webs, braids, and cords.
 Currey & Mills, London.—Removable cover umbrellas and sunshades.
 Dean, W., & Son, Derby.—Elastic fabrics.
 Fownes Bros. & Co., London.—Gloves.
 Fyfe & Robinson, London.—Ladies' belts, dress-holders, fan-girdles, studs, neck-bows.
 Herbert & Co., London.—Patent corsets and binders.
 Hick, W., Huddersfield.—Solitaires, studs, self-fastening brace and fly buttons.
 Meyer & Mortimer, London.—Scotch clothing.
 Thomson, W. S., & Co., London.—Corsets, unbreakable corset busks, satteen covered dress steels.
 Ullathorne & Co., London.—Elastic webbings, machine silks, &c.
 Welch, Margetson, & Co., London.—Shirts, collars, scarfs; flannel, cotton, and linen shirtings; umbrellas, dressing-gowns, rugs.

Class 38.—Clothing for both Sexes.

Bartrum, Harvey & Co., London.—"Ventilatorium" water-proof garments.
 Berthier, R., & Co., London.—Boots and shoes.
 Brightman Bros., Bristol.—Ladies' and children's boots and shoes.
 Christy, J. E. & W., & Co., London.—Silk and felt hats, helmets for military and tropical use.
 Clark, C. & J., Glastonbury.—Ladies', gentlemen's, girls', and children's boots, shoes, and slippers.
 Cook, S., London.—Boots and shoes.
 Currie, W., & Co., Edinburgh.—India-rubber waterproof clothing, &c., and other manufactures.
 Flatau, A. W., & Co., London.—Boots and shoes, boot-uppers.
 Golding, A., London.—Cricket and tennis shoes and leggings.
 Greenwood & Batley, Leeds.—Boots.
 Hargroves, R. A. & J., & Co., London.—Felt hats, helmets, caps, pull-overs.
 Hollington Bros., London.—Manufactured clothing.
 Howlett & White, Norwich.—Ladies', girls', and children's boots, shoes, and slippers.
 Jones, W., Newland.—Men's boots and shoes.
 Larrat, Simpson & Co., Leicester.—Girls' and children's boots and shoes, slippers, &c.
 Lincoln, Bennett, & Co., 1, 2, & 3 Sackville-street; and 40 Piccadilly, London.—Hats and Helmets in variety. Awarded First Order of Merit for Hats (Gold Medal).

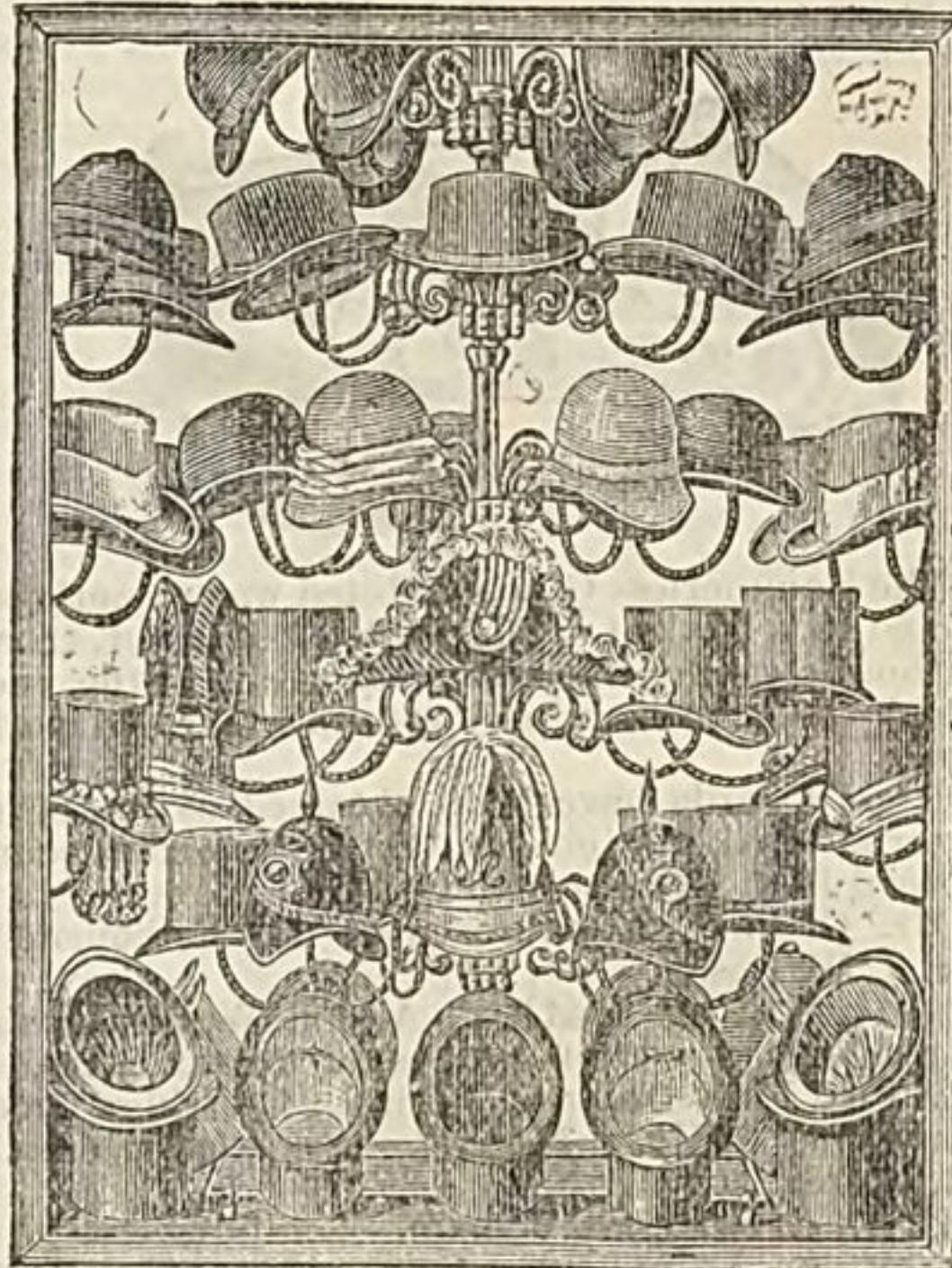
This Collection included:—

- I. SILK VELVET NAPPED HATS;
- SILK VELVET HUNTING CAPS;
- SATIN AND MERINO OPERA HATS.

II. SUPERFINE FELTS — BEAVER AND FUR — IN VARIETY;

FELT HELMETS FOR TROPICAL CLIMATES.

III. DIPLOMATIC, NAVAL, AND MILITARY HATS AND HELMETS.



Exhibited for excellence of Manufacture in every minute detail, high quality of the Fabrics and Materials selected, and for extreme durability.

The following Awards have been obtained by the Firm:—Grand Medal and Diploma, Philadelphia, 1876; Gold Medal and Diploma, Paris, 1878; First Award for Hats generally; First Award for Military, Naval, and Diplomatic Hats, and "Special" Medal, Sydney, 1879; First and Highest Award and Gold Medal, Melbourne, 1880.

Manfield & Son, Northampton.—Boots and shoes, for colonies, home, and export.

Marshall & Snelgrove, London.—Waterproof clothing, and materials for same; reversible waterproofing for cloaks, coats, &c.

Meyer & Mortimer, London.—Highland dress.
 Mottram, T. B., Stafford.—Ladies' and girls' boots and shoes.

Payne & Hill, Northampton.—Men's boots and shoes.

Singer Manufacturing Co., The, London.—Court robes and dresses.

Slazenger & Fils, Manchester.—Leather, waterproof, cloth, and canvas leggings; gaiters of various kinds.

Taylor, E., & Co., London.—Boots and shoes.

Vernon, R., & Co., Staffordshire.—Ladies', girls', and children's boots, shoes, slippers, &c.

Class 39.—Jewellery and Precious Stones.

Cranmore, S., Birmingham.—Afghanistan gold jewellery.

Francati & Santamaria, London.—Roman and Florentine cameos; mosaics in Whitby jet; silver jewellery.

Hick, W., Huddersfield.—Solitaire studs.

Jacques, Z., Dublin.—Irish bog-oak ornaments

Kilpatrick & Co., London.—Jewellery.

Levetus Bros., Birmingham.—Canadian gold jewellery.

Mellilos, M., York.—Gilt jewellery.

Melillo, V., Brighton.—Coral jewellery.

Class 40.—Portable Weapons and Hunting and Shooting Equipments.

Eley Bros., Limited, London.—Cartridges, percussion caps, and gun waddings.

Evans & Wormull, London.—Hunting-knives and spears, patent guarded handle; spring hunting-knives.

Greener, W. W., St. Mary's Works, Birmingham; and 68 Haymarket, London.—Treble Wedge-fast Hammerless and other Guns, Rifles, Revolvers, and Ammunition. Awarded First Order of Merit for Shot Guns (Gold Medal).



The Hammerless Gun exhibited was recently subjected to a trial of 40,000 shots, fired by Dr. Carver, without cleaning the lock mechanism, at the end of which the breech action was found to be in perfect order.

High Awards have been obtained at the several International Exhibitions, the most recent being a Special First Prize at Sydney.

Mr. Greener is represented at Melbourne by Mr. J. W. Rosier.

Greenwood & Batley, Albion Works, Leeds.—Cartridges in various stages of manufacture, &c. Awarded First Order of Merit for Cartridge Making Machinery (Silver Medal). See also Classes 56, 58, and 82.

Hall, J., & Son, Faversham.—Gunpowders.

Henry, A., Edinburgh.—Guns, rifles, and pistols.

Kennall Gunpowder Co., London.—Gunpowder in its several stages of manufacture.

Lewis, G. E., Birmingham.—Treble-grip hammerless breech-loading guns, rifles, &c.

M'Naughton, J., Edinburgh.—Hammerless and other guns, pistols, and accessories.

Pigou, Wilks & Laurence, Limited, London.—Gunpowder of all descriptions.

Purdey, J., & Sons, London.—"Express" rifles, sporting guns, hammerless and automatic guns.

Scott, W. & C., & Son, Birmingham.—Sporting breechloaders, rifles, revolvers, and hammerless guns.

Soper, W., Reading.—Rifles, guns, pistols, &c.

Tisdall, W. H., Birmingham.—Sporting breechloaders, rifles, hammerless guns, and revolvers.

Webley, P., & Son, Birmingham.—Guns, rifles, revolvers, cartridge implements, and patent artificial flying pigeon machine.

Class 41.—Travelling Apparatus and Camp Equipage.

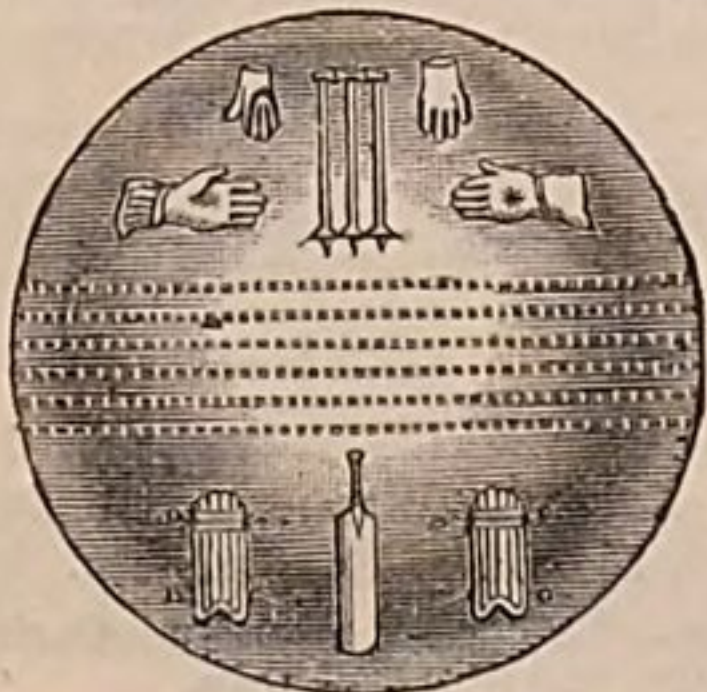
Fenby, J. B., & Co., Birmingham.—Tents and camp equipage, folding chairs, &c.

Class 42.—Toys.

Ayres, F. H., London.—Lawn tennis, croquet, cricket, lawn bowls, and other games.

Briscoe, W., & Son, Wolverhampton.—Cricketing materials.

Duke and Son, Penshurst, Kent.—Cricket Balls and appliances. Awarded First Order of Merit for Games, Cricketing Apparatus (Silver Medal).



All the Goods exhibited by Messrs. Duke & Son were guaranteed of the best perfectly seasoned material and workmanship.

The Match Balls are used by the County Cricket Clubs of Kent, Surrey, and Sussex, as well as by many other clubs, and have an extensive sale in the Colonies.

At the London International Exhibitions of 1851 and 1862, Prize Medals were awarded to Messrs. Duke & Son, who also received the Highest Award at the recent Sydney Exhibition.

Feltham & Co., London.—Games.

Lillywhite, Froud and Co., London.—Cricketing materials.

London Stereoscopic Co., London.—Scientific toys and instructive games; puzzles.

Nicolls, L., Roberts-bridge.—Cricket bats.

Class 43.—Products of the Cultivation of Forests, and of the Trades appertaining thereto.

Perkins, J., & Sons, London.—Corks, bungs, from Tossa, Catalonia, and Seville, Spain.

Class 44.—Products of Hunting, Shooting, Fishing, and Spontaneous Products. Machines and Instruments connected therewith.

Allcock, S., & Co., Redditch.—Fish hooks, lines, rods, &c.

Damon, R., Weymouth.—Specimens of conchology.

Stuart, J. & W., Musselburgh.—Fishing-nets and twines of cotton and hemp.

Class 45.—Agricultural Products, not used for Food.

Thorley, J., London.—Food for cattle.

Class 46.—Chemical and Pharmaceutical Products.

Anderson, Abbott & Anderson, London.—India-rubber manufactures, oilskin clothing, and sou-westers.

Atkinson, J. & E., London.—Soaps.

Bell, H., London.—India-rubber goods.

Bewley & Draper, Dublin.—Aërated waters.

Bigg, T., London.—Sheep-dipping composition.

Blundell, Spence & Co. Limited, London.—Oils, varnishes, paints, colours, white lead, anti-fouling compositions, &c.

Brandram Bros. & Co., London.—White lead, zinc, vermilion, sulphur, and saltpetre.

Brown, R., & Co., Glasgow.—Paints and colours.

Burgoyne, Burbidges, Cyriax & Farries, London.—Drugs, chemicals, pharmaceutical preparations.

Bush, W. J., and Co., Artillery-lane, Bishopsgate. Works: Ash-Grove, Hackney, London. —Essential Oils, Fruit Essences, Granulated Citrate of Magnesia, Chemical and Pharmaceutical Preparations, Harmless Vegetable Colours for Confectionery purposes, White Lead, Dry and Ground Colours, Metallic Oxide Paints, Perfumery, Toilet Soaps. Awarded First Order of Merit for Perfumes, Essential Oils, Fruit Essences, and Toilet Soaps (Silver Medal); and First Order of Merit for Paints, Colours, and Varnishes (Silver Medal).

The business of the firm embraces the distillation of essential oils and artificial flavouring agents. Many of the herbs, flowers, fruits, and seeds which yield volatile oils are treated at their place of growth, and their concentrated principles exported for the perfumer's or confectioner's use. Several are indigenous to England, and develop their odoriferous principle to perfection in its ungenial climate. All essential oils that can be distilled in England are produced by Messrs. Bush, as also the harmless vegetable colours which, since their introduction a few years since, have so largely displaced the deleterious compounds used by confectioners for dressing their goods. These colours comprise many shades, and are produced in the dry form, which is the best adapted for exportation.

It is of the first importance that the sugar used for fruit syrups should be absolutely pure. Commercial refined sugar, as a matter of fact, never is, owing to the chemicals used in its preparation; and, moreover, much of it is the product of the beet. Hence the duty of refining their own sugar is performed by the exhibitors. The old-fashioned processes of solution, precipitation, and decolouration are employed—the use of chemicals being entirely dispensed with.

The grinding, mixing, and packing of ordinary colours, and the manufacture of metallic oxide paints, also form a part of the Exhibitors' business. These paints are extensively used, being more durable than lead colours, and thus better suited to outside work.

In addition to the above, fruit essences and syrups, compounds for spirits and liqueurs, quintessences for domestic purposes, and concentrated liquors, are amongst the products of this Firm, one of whose specialities is FRENCH CREAM GUM EXTRACT, employed in connection with Syrups, Mineral Waters, Ciders, Beers, Ales, Wines, and all other liquids or beverages where a frothy foam or head is required.

This Extract, now for the first time offered to the trade, is a novel and useful preparation. The foam produced by it is light, frothy, and beautiful, and aids the retention of the Carbonic Acid Gas. By increasing the bulk, and improving the appearance of the beverage, it will save more than one hundred times its cost. Where this Extract is used, the Soda Water, Ginger Ale, or other beverage need not be charged as high by twenty degrees to produce an equal effect.

As is well known, when Soda Water, Beer, and similar beverages are drawn in an open tumbler, the gas escapes so rapidly that unless drunk immediately they become flat and worthless.

For all kinds of Syrups for bottling purposes, from one to two ounces of the Extract, according to the amount of foam required, should be added, thoroughly mixed, to each gallon; for Champagne, Cider, Ale, Beer, &c., one ounce of the Extract to every four gallons. The price of the extract is 2s. 6d. per lb.

Carson, Walter, & Sons, La Belle Sauvage-yard, London.—Anti-Corrosion Paint. Awarded First Order of Merit for Anti-Corrosive Paints (Silver Medal).

TRADE MARK.



This Paint, exhibited, has been known all over the world for Eighty years past as a means of preserving all surfaces exposed to the weather. The effect of its application is to prevent decay in wood work, rust in iron work, and to render waterproof porous bricks, stone, cement, compo, &c. It possesses the unique advantage of resisting alike the extremes of climate, heat and cold, drought and wet, and has been adopted by railway companies and other important bodies in India and in Canada with equal success. The Colonial authorities have it also in general use in nearly every station, from Newfoundland, with its cold and humid climate, to the West India Islands, where extreme heat prevails.

To avoid the waste inseparable from paints packed in a mixed state, and, by a simple form of preparation, to permit of its universal application, the Anti-Corrosion Paint is sold in a powder, which only requires to be mixed with Linseed Oil to make it ready for use.

Messrs. William Dean & Co., of 91 Flinders-lane East, Melbourne, are the Agents of the Firm in Victoria.

Cantrell & Cochrane, Dublin.—Ginger ale and mineral waters.

Chambers, J., & Co., London.—Chemicals, drugs, colours, varnishes.

Chassaing, Guenon & Co., London.—Pepsine wine and medicinal preparations.

Corbyn, Stacey & Co., London.—Pharmaceutical preparations.

Corry & Co., Belfast.—Ginger ale and other aerated beverages.

Currie, W., & Co., Edinburgh.—India-rubber waterproof clothing and other manufactures.

Day, Son & Hewitt, London.—Horse, cattle, and sheep medicines.

Foulger, J., & Sons, London.—White zinc, white lead, paints, oils, varnishes, turpentine, railway grease, composition for ships' bottoms, &c.

Genoveva Sparkling Mineral Water Co Limited, London.—Mineral waters.

Golding, Davis & Co. Limited, Widnes.—Sulphate of soda, white caustic soda, bleaching-powder.

Grillon, E., London.—"Tamar Indien" lozenges.

Grindlay & Co., Millwall.—Varnishes and anti-corrosive paints.

Gulliver, S., & Co., Aylesbury.—Mineral and aerated waters.

Hall, R., Stockton-on-Tees.—Sheep-dip.

Harris, S. & H., London.—Blacking, polishing-paste, furniture polish, waterproof saddle-paste, for polishing saddles and brown leather, &c.

Herrings & Co., London.—Pharmaceutical preparations, essential oils, &c.

Hockin, Wilson & Co., London.—Seidlitz powders.

Home & Colonial Sanitary Co., London.—Antozone and carbolic disinfectants.

Hudson, R. S., Liverpool.—Extract of soap and dry soap.

Jeyes' Sanitary Compounds Co. Limited, London.—Disinfectants, sheep-dips, wood preservatives.

Judson & Son, London.—Gold and silver paints and inks; bronzone and dyes.

Lelievre, Dr. J., London.—Iceland moss poultices with india-rubber covering.

Macintosh, C., & Co., Manchester.—India-rubber goods of every description.

Mackay, J., & Co., Edinburgh.—Varnishes and polishes, with materials from which they are made.

Maltine Co., The, London.—Maltine food and pharmaceutical preparations.

Mander Bros., London.—Varnishes, colours, paints.

M'Ewan & Co., London and Melbourne.—Oils of various kinds.

Marshall & Holland, London.—Wine and beer finings, preserving liquids, &c.

Morris, Little & Son, Doncaster.—Chemical soluble phenyle.

Neale, Harrison & Co., Hanley.—Carbolic and other disinfectants, patent antozone.

Newry Mineral Water Co. Limited, London.—Mineral waters and other aerated beverages.

Nicholls, W., & Co., Wiltshire.—Fluid annatto.

Peacock & Buchan, Southampton.—Ready-mixed innocuous, non-poisonous, composition paints; anti-corrosive and anti-fouling compositions.

Pickering, J., & Sons, Sheffield.—Polishing paste, furniture polish, knife powder, plate powder, harness blacking, Brunswick black.

Price's Patent Candle Co., London.—Stearine, composite, and paraffine candles; night lights; glycerine, toilet, and household soaps; machinery oils. (See page 592.)

Reade Bros. & Co., Wolverhampton.—Extract of soap, soapine, dry soap, bisulphite of lime for brewers.

Reckitt & Sons Limited, Hull.—Blue and starch, for laundry purposes.

Richardson, J., & Co., Leicester.—Cod liver oil emulsions, colonists' medicine chests, pocket pharmacies. (See page 593.)

Rigollot & Co., London.—Mustard leaves.

Rose, Sir W. A., London.—Burning and lubricating oils, varnishes, colza oil, white lead, white zinc paints.

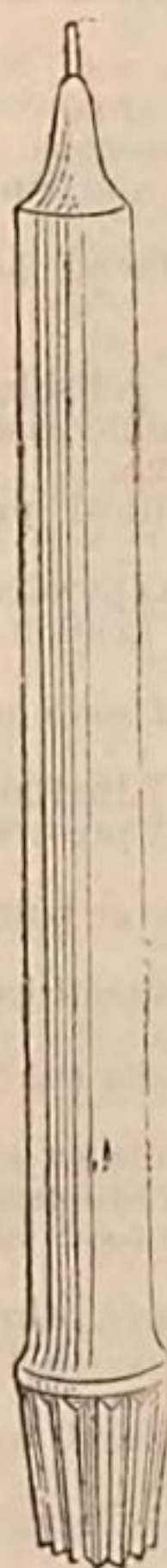
Silicate Paint Co., London.—Silicate paints.

Smith, T. & H., Edinburgh.—Salts of morphia; strychnine, and its salts.

Price's Patent Candle Company, Limited, Belmont Works, Battersea, London.—

Stearine, Composite, and Paraffine Candles; Night Lights, Glycerine, Toilet Soaps, Household Soap, Soap Mixture, Machinery Oils. Awarded First Order of Merit for Soaps and Candles (Gold Medal).

The Self-fitting Candles exhibited are made of an improved form, fitting firmly at once in any of the various sized candlesticks in common use, without paper or other appliances. All the better qualities of the Company's Candles are procurable with these ends at a slightly higher price.



Amongst the minor manufactures may be mentioned Chamber Candles especially adapted for carrying about without dropping grease—Ornamented Candles of many coloured designs—Candles for use in Mines, in Signal Lamps on Railways, and Ship-lanterns—and many others.

The Belmont Sperm Candles, ordinarily quoted as "Belmonts," form a considerable item in the tonnage produce of the Company. They excel in hardness and purity of material as well as in volume of light and economy of consumption. Being of high setting point they are suitable for use in all climates, and their label—a tropical scene, with palm tree, and natives rendering the oil in vats in the foreground—is too well and universally known to need further description.

Price's Soap Mixture is a new manufacture, and is a combination in powder of Soap and Alkali mixed in proper proportions for immediate use. It is a safe and powerful Washer and Cleaner; saves time, trouble, and money—gives neither smell in the house on washing day nor in the things washed, leaves the hands smooth and soft, and causes no injury to the fabrics cleansed.



The Works of Price's Patent Candle Company, Limited, are, it is believed, the largest in the world for the production of Candles and of articles connected with this manufacture. They consist of two factories, one on the Company's freehold land of about 12 acres on the Thames, at Battersea, and the other on its freehold of about 60 acres on the Mersey, near Liverpool. The factory village on this last-named estate, where many of the specialities exhibited are produced, comprises 97 houses for the officers and workmen, and has a population of above 530. It has its own schools (the building being used for divine worship on Sundays), resident Chaplain, Co-operative Stores, Rifle Corps, &c. The part of the ground not occupied by buildings serves for gardens, allotment grounds, and cricket field.

The sale of Candles from the two factories amounts in the busy season to 240 tons per week, made up of about 5,000,000 separate Candles, of which the wicks, extended end to end, would measure about 588 miles. Burned one after the other these Candles would last

for 3082 years; or, in other words, if the first candle of a week's sale had been lighted when Saul ascended the throne of Israel, and as each candle burned out another had been set to burn, there would have been sufficient for a continuous light to the present time, and further for 110 years to come.

"Composite" Candles were first made, and the name was first given to them, in one of the Company's factories; but the name has since then and for many years past been applied to all cheap self-snuffing candles. The Company's "Best Composites," from their acknowledged excellence, command a higher price than any other composite candle; but large quantities of their lower composites are sold, even at a retail price, as low as one halfpenny per candle. The "Gold Medal Palmitine" are an admirable substitute for the real wax and spermaceti candles of our grandfathers, and are only about one-third their price.

Palm Oil was first employed for the production of white hard candles in the Company's factories. Their patent processes for rendering this oil, and some other oils and fats not previously usable for this purpose, available for the manufacture of good self-snuffing candles, have been the means of giving these candles to the public at about one-half of the lowest price at which any such candles were previously sold. The processes have since been largely adopted by other candle manufacturers.

Night-lights form an important branch of the business. They are made either to burn in glass cups or in their own paper cases. Some kinds are well adapted for use in hot climates. The sale, on an average of the whole year, is more than 100,000 per day.

Glycerine, now so largely used, was first brought into a state of purity by the Company's patent process. "Price's Glycerine" is still the name used to indicate the purest form of this material, which has since then become very valuable in medicine and manufactures.

Toilet Soaps of acknowledged excellence, Household Soaps of guaranteed genuineness, Cloth Oils and Machinery Oils, make up, with the manufactures above named, a total of between 13,000 and 14,000 tons of finished goods sent out yearly from the Company's factories.

The Company employs, in its various departments, in connection with the manufacture of the articles as exhibited, nearly 1400 persons, and for these it provides mess rooms, reading rooms, baths, &c., and night schools for the boys.



Richardson, John, and Co., 10 Friar-lane, Leicester.—Pure Chemicals, Pharmaceutical Preparations, Cod Liver Oil Emulsions, Colonists' Medicine Chests, Pocket Pharmacies, &c. Awarded First Order of Merit for Pharmaceutical Preparations (Silver Medal).

Amongst the Specialities exhibited by Messrs. John Richardson and Co. were the following:—

RICHARDSON'S SOLUBLE PEARL-COATED PILLS.—These Coated Pills are perfectly soluble, even in cold water, and have the power of preserving their active ingredients for any length of time, in all climates. The Exhibitors claim to be the largest makers of these tasteless medicines in the world, keeping in stock nearly 700 Formulæ, embracing in simple and compound forms almost every combination of the various kinds of active medicines.

RICHARDSON'S PHOSPHORISED COD LIVER OIL EMULSION.—This Preparation is an invaluable remedy in the wasting diseases of children, in the various forms of eczema, lichen, impetigo, and all other cutaneous diseases arising from mal-assimilation and enfeebled nerve power; also in cases of emaciation resulting from the inflammatory or hereditary forms of tubercular disease, purulent expectoration, night perspiration, and pulmonary consumption in its various stages.

RICHARDSON'S PURE THYMOL SOAP.—Fragrant, Antiseptic, Emollient.—This elegant Soap, prepared from the new disinfectant, Thymol, has every advantage over Carbolic and Coal-Tar Soaps, as it is *non-poisonous*, and instead of a nauseating odour has the delightful and refreshing fragrance of wild thyme, and possesses in the highest degree all the advantages of a powerful disinfectant. As a skin soap it is marvellously beneficial, and well adapted for the bath or toilet, and general family use.

RICHARDSON'S COMPACT MEDICINE CHEST.—This elegant little Chest has been specially designed for the use of Colonists, Clergymen, Heads of Families, Missionaries, and others engaged in benevolent work. Each Chest is fitted with twelve varieties of Coated Pills, prepared according to the directions of Dr. Spencer Thomson, and a bottle of Chlorodyne. It also contains "The Handbook for Compact Medicine Chest," written expressly for it by Dr. Spencer Thomson, giving full directions for the use of the Medicines, together with a considerable amount of valuable information upon Diet, &c.

EKYN'S PORTABLE MEDICINE CASE.—This will be found most useful for Travellers, Emigrants, and Country Residents. It contains six bottles of Coated Pills and a bottle of Chlorodyne; an assortment of Medicines for the cure and relief of all ordinary ailments. It also contains a Card describing each of the Medicines, their uses and effects, and a brief description of all simple ailments, with their proper treatment. It is intended as a cheaper Case than the above Compact Medicine Chest.

RICHARDSON'S EMERGENCY CASES, OR POCKET PHARMACIES.—The above elegant and compact Cases will be found most useful to Country Practitioners and Colonial Surgeons, for whom they are more especially designed, containing as they do a carefully selected List of Formulæ enabling the medical attendant to

prescribe a remedy on the spot, thus saving the tedium of some hours' delay in obtaining the necessary medicines.

RICHARDSON'S LIQ. SECALIS AMMON.—A most valuable therapeutic agent to the Obstetric Practitioner. Safe and certain in its results, pleasant to take, possessing all the virtues of the *Fresh Ergot*, and preferable on account of its easy administration.

RICHARDSON'S HYPNOPOIETIC.—Dose—the same as Tinct. Opii P.B., 5 to 40 minims. A new and valuable Solution of Opium, of the same strength as Tinct. Opi-P.B., and far superior to that or any other preparation of Opium. It does not produce headache, stupor, or constipation, and may be given in those cases of Idiosyncrasy where the usual preparations are inadmissible.

RICHARDSON'S LIQ. BISMUTH. CO.—This elegant Preparation, a solution of Bismuth with Pepsine and Strychnia, has been found a most valuable remedy in interrupted, laborious, or painful digestion.

PEPTOCOLOS; OR, COMPOUND PEPSINE WINE.—This Preparation is simply Pepsine Wine, to which are added the other natural elements in the process of Digestion, such as Pancreatin, Diastase, Lactic, and Hydrochloric Acid, &c. It is evident that such a combination must be far more effective as an aid to assimilation than simple Pepsine Wine. After an extensive trial, Peptocolos has been found to bring about the digestion of food when all other remedies have failed, being a combination of all the digestive agents, and thus strengthening and recouping the enfeebled organs of digestion.

RICHARDSON'S CHLORODYNE.—This remedy has been prepared for the last fifteen years, and has gained the reputation of being equal to any, and far superior to many, of the similar preparations now so extensively vended.

Messrs. John Richardson & Co. are Manufacturing Pharmaceutical Chemists, Medical Outfitters for Military, Naval, and Expeditionary Forces, and Inventors and Sole Manufacturers of the POCKET, CABINET, and COMPACT MEDICINE CHESTS, for the Naval and Mercantile Marine, Railway Contractors, and Exploring Parties, as exhibited.

The following Awards have been obtained by the Firm, who are patronised by the Imperial British, Indian, and Colonial Governments:—

PRIZE MEDAL, Diploma of Merit, *Brussels Exhibition*, 1876;

GOLD MEDAL, *South African International Exhibition*, 1877;

PRIZE MEDAL, *Paris Grand Exhibition*, 1878;

FIRST AWARD, *Sydney Exhibition*, 1879.

Messrs. Richardson's Specialities may be obtained from the leading wholesale Druggists in Melbourne and Australia, and in New Zealand.

Southall Brothers & Barclay, Birmingham.—Cod Liver Oil, Drugs and Powdered Drugs; Surgical Dressings; the "Aquarium" Sea Salt. Awarded First Order of Merit for Pharmaceutical Preparations, Cod Liver Oil, and Derivatives (Gold Medal).

The "A 1" COD LIVER OIL included in this collection differs from all others, as it contains less solid fatty acids, as proved by chemical analysis; and this result is obtained by a special process of the Exhibitors. It is obtained exclusively from selected livers of the Cod fish (*Gadus Morrhua*) at a specially low temperature, to prevent decomposition of the organic constituents, such as *gaduine*, *biliary matter*, &c. A pure oil is thus obtained, of a pale yellow colour, and both light and sweet. As the biliary matter is retained in its normal state, it is on this account, and from its lightness and freedom from taste and smell, more readily assimilated by the system than other oils. This Oil is prepared on the North-East coast of Norway.

In the Exhibitors' Case were shown:—

- (A) Specimens of analysed samples of Cod Liver Oil, as prepared by the exhibiting Firm, showing its superiority over Pale Browh, Newfoundland, and other Oils.
- (B) The various organic constituents found in the Oil prepared by a number of researches; and which have not been shown elsewhere than at the last Paris Exhibition by the Exhibitors.

For many years this Oil has been designated "A1," which is the Trade Mark used in connection with it. This Oil has obtained Prize Medals wherever it has been shown, viz., at the Cape and Paris.

DRUGS AND POWDERED DRUGS, PHARMACEUTICAL CHEMICALS AND GALENICAL PREPARATIONS, FRUIT ESSENCES.—These Preparations are exhibited in a separate Case, and are types of the Drugs supplied by the Exhibitors, and of the Chemicals and Pharmaceutical Preparations they manufacture. Special attention is called to the *Scale Preparations*, which are guaranteed soluble and of full strength; to the *Powdered Extracts*, which are of great convenience to dispensers; to *Liq. Emetinae*, a preparation of ipecacuanha containing an invariable amount of alkaloid, superior in this respect to *vin. ipecac.*, and also by the fact that it never deposits; and to *Coated Pills*, the coating of which is perfectly soluble in cold water, and stands exposure in warm climates without changing colour.

SOUTHALL'S "SOLUBLE MEAT."—This Preparation contains not only the organic salts, extractive and flavouring matters, with the mineral matters soluble in water, but also the *Fibrine* and *Albumen*, the essential flesh-forming matters which are absent in Liebig's Extract. It is prepared from the best English Beef, and by the process employed the meat is rendered soluble, and the stomach is saved three or four hours' work, the advantage of which in some cases can hardly be over-estimated. Baron Justus Liebig wrote:—"Were it possible to furnish the market at a reasonable price with a preparation of meat combining in itself all the albuminous principles, together with the extractive, such a preparation would have to be preferred to the *Extractum Carnis*, for it would contain *all* the nutritive principles of meat."—*Lancet*, Vol. II., 1865, Nov. 11th.

Honourable mention was awarded at the Paris Exhibition, the only award to British Exhibitors for anything of the kind.

"TENAX."—Absorbent and antiseptic, superseding lint, cotton, wool, and oakum for dressings, as it readily absorbs the discharge from wounds, whilst the tar acts as an antiseptic.

THE "AQUARIUM" SEA SALT.—Differs from the so-called Sea Salts, as it contains all the ingredients of real sea water in full amount.

Storer, D., & Sons, Glasgow.—Paints, colours, white leads, white zines, varnishes, oils, greases, chemicals, &c.

Turner, C., & Son, London.—Varnishes, colours, paints.

Wallace, J., & Co., London.—"Metaline" (a substitute for oil as a lubricator).

Wheeler & Co., London.—Wenham's lime - juice saline, and "chalybeate."

Whiffen, Thomas, Lombard-road, Battersea, London.—Pharmaceutical Preparations; Quinine Sulphate and other Quinine Salts; Bark. Awarded First Order of Merit for Quinine Preparations and Strychnine (Gold Medal).

The Specimens exhibited comprised:—

QUININE Sulphate, Hydrochlorate, Valerianate, Soluble Sulphate, Citrate, &c.; also Pure Quinia;

QUINIDINE Sulphate and Pure Quinidia;

CINCHONIDINE Sulphate and Pure Cinchonidia;

CINCHONINE Sulphate, Hydrochlorate, and Pure Cinchonia;

LIQUID EXTRACT OF CINCHONA BARK, prepared by evaporation in Vacuo;

SALICINE, the active principle of Willow Bark, largely used in cases of Rheumatic Fever;

WILLOW BARK, used in the manufacture of Salicine;

NUX VOMICA, used in the manufacture of Strychnine and Brucine;

CINCHONA BARKS, used in the manufacture of Quinine and Quinetum, from South America, British India, and Java, with the analysis of each;

QUINETUM, Quinetum Sulphate, and Citrate with Iron. The entire Alkaloids of E. I. Cinchona Succirubra, consisting of Quinine, Cinchonidine, Cinchonine, and Amorphous Quinine. A most valuable preparation, having the properties of Quinine, at about one-third the cost.

STRYCHNINE and its Salts. The Exhibitor is the Inventor and Proprietor of the celebrated "*Hulle's*" Strychnine, and from its introduction in 1859 has been the sole manufacturer.

Young's Paraffin & Mineral Oil Co. Limited, Glasgow.—Burning oils, paraffin, and candles.

Class 48.—Leather and Skins.

Evans, P. S., & Co., Bristol.—Sole leather.

Ullathorne & Co., London.—Leather, shoe mercery, grindery, &c.

Class 49.—Agricultural Implements and Processes used in the Cultivation of Fields and Forests.

Avery, W. & T., Birmingham.—All kinds of weighing apparatus used in husbandry.

Barford & Perkins, Peterborough.—Cultivators.

Bentall, S. H., Maldon.—Chaffcutters.

Bentall, E. H., & Co., Heybridge.—Chaffcutters, cornercrushers, horse gears.

Black & Sons, Berwick-on-Tweed.—Spades and shovels.

Boby, R., Bury St. Edmunds.—Corn-dressing and screening machinery and appliances.

Brigham & Co., Berwick.—Combined reapers and mowers, mowers, seed-sowers.

Brooks & Cooper, Sheffield.—Sickles and other agricultural implements.

Burys & Co. Limited, Sheffield.—Knives, reapers, &c.

Clayton & Shuttleworth, Lincoln.—Agricultural machinery.

Coleman & Morton, Chelmsford.—Cultivators, corn-screens, water-carts.

Cooke, J., Lincoln.—Ploughs and ploughshares.

Corbett & Peele, Shrewsbury.—Agricultural implements and machinery.

Corcoran, Witt & Co., London.—Millstones, for grinding corn; roller mill, for reduction of middlings.

Crowley, J., & Co., Sheffield.—Chaffcutters.

Davey, Sleep & Co., St. German's.—Two-furrow ploughs.

Dell & Sons, London.—Millstones, wheat-cleaning and separating machines, middlings' purifiers, &c.

Denton, H., Wolverhampton.—Harrows, clod-crushers, wrought-iron rollers, barn doors, bolts.

Fallows & Bate, Manchester.—Lawn-mowers and knife-cleaners.

Gardner & Son, Birmingham.—Sausage machine.

Garrett, R., & Sons, Leiston.—Portable steam-engines; machinery, for stacking, threshing; hoes.

Gregory, J., Lincoln.—Lime screens.

Handyside & Co. Limited, Derby.—Mowing and reaping machines, and agricultural implements.

Harrison, M'Gregor & Co., Leith, Lancashire.—Reapers, mowers, pulpers, slicers.

Hornsby, R., & Sons Limited, Grantham.—Steam-engines and agricultural machinery.

Howard, J. & F., Bedford.—Agricultural implements.

Hunt & Tawell, Earl's Colne.—Agricultural implements and machinery.

Jeffery & Blackstone, Stamford.—Agricultural implements.

Marshall Sons & Co. Limited, Gainsborough.—Portable, horizontal, vertical, and fixed steam-engines; road locomotive, threshing-machines.

Murray, G. W., & Co., Banff.—Chain pumps, wire straining brackets, ploughs.

Nicholson, W. M., & Co., Newark-on-Trent.—Agricultural implements and machinery.

Parkes, F., & Co., Birmingham.—Agricultural and horticultural implements.

Penney & Co. Limited, Lincoln.—Rotary corn-screens, potato-diggers.

Ransomes, Sims & Head, Ipswich.—Agricultural machinery and implements. (See page 596.)

Richardson & Sons, Carlisle.—Blowing, winnowing, and corn-dressing machines; corn elevator.

Richmond & Chandler, Manchester.—Chaffcutters, corn-crushers, horse-gear works.

Robey & Co., Lincoln.—Agricultural machinery, portable engines, threshing-machines.

Rollins & Co., London.—Lawn-mowers.

Ruston, Proctor & Co., Lincoln.—Agricultural machinery, portable engines, steam threshing-machines.

Samuelson & Co., Banbury.—Self-raking reaping-machines, combined reaper and mower, grass-mower.

Sellers, G., & Son, Huntly.—Ploughs, single and double furrow; patent diggers, harrows.

Skelton, C. T., & Co., Sheffield.—Agricultural and horticultural implements.

Smyth & Sons, Peasenhall.—Corn and seed drill, broadcast sowing machine.

Turner, E. R. & F., Ipswich.—Vertical steam-engines, agricultural implements.

Class 50.—Apparatus and Processes used in Agricultural Works, and in Works for the Preparation of Food.

Avery, W. & T., Birmingham.—Scales and weighing-machines.

British Syphon Manufactory, London.—Syphon vases for mineral waters, seltzogenes.

Gardner, J., Birmingham.—Sausage-chopping machines.

Howard, J., Chesham.—Prints for stamping butter, for dairy and domestic use, &c.

Kent, G., London.—Domestic appliances.

Rylands, D., Barnsley.—Externally stoppered bottles, for preserved foods and drinks.

Ruston, Proctor & Co.—Corn mill.

Young, J. & T., Ayr.—Cheese presses, curd mill.

Class 51.—Apparatus used in Chemistry, Pharmacy, and Tanning.

Avery, W. & T., Birmingham.—Weighing apparatus used in chemistry, pharmacy, and tanning.

Cowan, W. & B., London.—Wet and dry gas meters.

Glover, G., & Co., Chelsea.—Instruments of precision for the measurement of gas.

Huxham & Brown, Exeter.—Bark mill and crushers, spring carriage leather roller, tanners' pump, disintegrator.

Molinier, C., & Co. Limited, London.—Machines for dressing skins and leather.

Muller, H. L., Birmingham.—Alpha patent gas-making machine, gas engine.

Ullathorne & Co., London.—Apparatus used by tanners, curriers, saddlers, shoemakers, &c.

Walker, C. & W., Donnington.—Photographs illustrating apparatus used by the Gaslight and Coke Co. of London.

Class 52.—Machines and Apparatus in general.

Adams, T., Manchester.—Safety valves and springs.

Armstrong, Sir W. G., & Co., Newcastle-on-Tyne.—Hydraulic machinery and apparatus.

Anchor Tube Co., Birmingham.—Wrought-iron tubes and fittings for boiler, steam, and water purposes.

Avery, W. & T., Birmingham.—Scales, steelyards, platform, weighing-machines, and weighbridges.

Barrett & Ellers, Westminster.—Soda-water filling machines.

Bobardt, G.—Watch-making machinery.

Bradford, T., & Co., Manchester.—Washing, wringing, and mangling machinery.

Clark, T. & C., & Co., Wolverhampton.—Galvanised signal pulleys and sack hoists.

Cochrane, J., Barrhead.—Horizontal and vertical engines, boilers, safety-valves, mountings, &c.

Crossley Bros. Limited, Manchester.—Gas engines. (See page 599.)

Everitt, A., & Sons, Birmingham.—Tubes for locomotive, marine, gas, or steam purposes; sheet brass and copper; copper wire.

Fawcett, T. C., Leeds.—Brick-making machinery.

Fleming, T., Halifax.—Oak-bark tanned leather bands for main driving, valves, taps, &c.

Foster, Wm., & Co. Limited, Lincoln.—Agricultural steam-engines and saw benches.

Gibbons, P. & H. P., Wantage.—Portable steam-engines.

Hayward, Tyler & Co., London.—Soda-water filling machine.

Hindley, E. S., Bourton.—Vertical steam-engines, circular-saw benches.

Hodgson & Stead, Manchester.—Weighing machines and weighbridges, adapted to any known standard.

Kirkstall Forge Co., Leeds.—Rolled shafting.

M'Ewan, J., & Co., London and Melbourne.—Brass cocks, steam and water fittings.

Meynell & Inman, Wolverhampton.—Plumbers' brass foundry, &c., steam fittings, pumps.

Moncrieff, J., Perth.—Water gauge glasses, for showing the height of water in steam boilers.

Nicoll, G. H., & Co., Dundee.—Family mangle.

Patent Diagonal Rocking Fire Bar Co., London.—Furnace bars.

Patent Nut & Bolt Co. Limited, Birmingham.—Bolts, nuts, rivets, set screws, couch screws, washers.

Pooley, H., & Co., Liverpool.—Weighbridges and weighing-machines for railways, roads, and warehouses.

Priestman Bros., Hull.—Crane (working model), pile driver (working model).

Robey & Co., Lincoln.—Patent "Robey" mining-engine.

Robinson, T., & Son Limited, Rochdale.—Wood-working machinery, engine and boiler.

Russell, J., & Sons Limited, Wednesbury.—Wrought iron and steel tubes and fittings, for boiler, gas, steam, water, and other purposes.

Rustless & General Iron Co., London.—Anti-corrosive tubes and fittings.

Sanders & Sons, London.—Beer-engines, porcelain wine and spirit barrels, taps, tankards.

Schaffer & Budenberg, Manchester.—Counting-machine, steam and vacuum gauges; Buss's pseudo-static governor; Pearn's pump.

Seekings & Ellery, Gloucester.—Semi-portable steam-engines, steam launch engines.

Ransomes, Sims & Head, The Orwe Works, Ipswich, England.—Agricultural Machinery and Implements, including Portable Engine, Vertical Engine, Steam Threshing Machine, Double and Single Furrow Ploughs, Horse Rakes, Lawn Mowers, and Patent Chilled Plough Shares. The name of this firm has, since the opening of the Melbourne International Exhibition, been changed to RANSOMES, HEAD & JEFFERIES.

THE PORTABLE STEAM ENGINE exhibited was of 8-horse power, and constructed of the best materials and fitted with all the latest improvements. A First Order of Merit (**Gold Medal**) has been awarded to it. These engines are manufactured from 3 to 10 horse power, with single cylinders, and from 10 to 25 horse power, with double cylinders. Link motion reversing gear may be readily applied whenever required to engines intended for winding and hoisting purposes, &c. It is of the best construction, and the engines may be reversed with the greatest facility. The boiler is built of the best English plates, riveted by hydraulic machinery (which does not destroy the fibre of the iron in the rivets as the ordinary method of hand riveting), and has been tested by hydraulic pressure up to 160 lbs. to the square inch. It is cased with non-conducting covering, which prevents radiation and economises fuel when the engine is engaged in out-door work during cold weather. The fire-box is specially constructed for the colonies, where wood is principally used for fuel, and gives a large heating surface. The engine is placed on the top of the boiler, the crank-shaft being carried on two strong iron brackets firmly bolted on the boiler. A strong wrought-iron "stay rod" is bolted on top of each of those brackets, the other end being secured to "lugs" cast on each side of the steam-chest and binding the whole of the working parts firmly together, thereby preventing vibration when working up to full power. The steam and slide valve chests are covered like the boiler with felt "jacketing," and cleaning or repairing can be effected on either or both without removing them from the boiler. The feed pump is on the continuous action principle, and fitted with a suction and a discharge pipe. The suction-pipe is always drawing a full lift of water, and a stop-cock in the discharge-pipe regulates the supply to the boiler by opening or shutting it as required, the surplus being returned to the tank. The advantage of this pump is that when muddy water is used the valve seatings are continually kept clean by the continual rush of water, preventing any settlement which would cause the valve to stick. The exhaust steam is partially utilised in heating the feed-water, which effects a considerable saving of fuel. The governors are of the best description, and are very sensitive and perfect; the throttle-valve connection is adjustable by means of a quadrant, and easily got at for repairs or examination. The wheels are of the best wrought-iron, which is most suitable for countries where the changes of temperature are very sudden; they are fitted with patent axles and oil-caps. The chimney has a patent spark arrester, which lifts with a lever to give increased draught when firing up; a jet of steam also assists. These engines are especially adapted for threshing, pumping, sawing, and general agricultural and contractors' work, and from their ease of management can be driven by any intelligent labourer.

THE VERTICAL ENGINE, for which this firm has also received a first award (**Gold Medal**). The engine exhibited is of 4-horse power, but all sizes from $1\frac{1}{2}$ to 10 horse power are made. These engines are well adapted for all light work required by the farmer or squatter, such as pumping, chaff-cutting, grain-crushing, &c.; and to manufacturers in towns, where space is a consideration, their compactness recommends them; and as they require no foundation they can be erected in any part of a building. The boiler and engine are mounted on a strong cast-iron bed-plate, which forms an ash-pan and tank; the water is heated nearly to boiling point by the

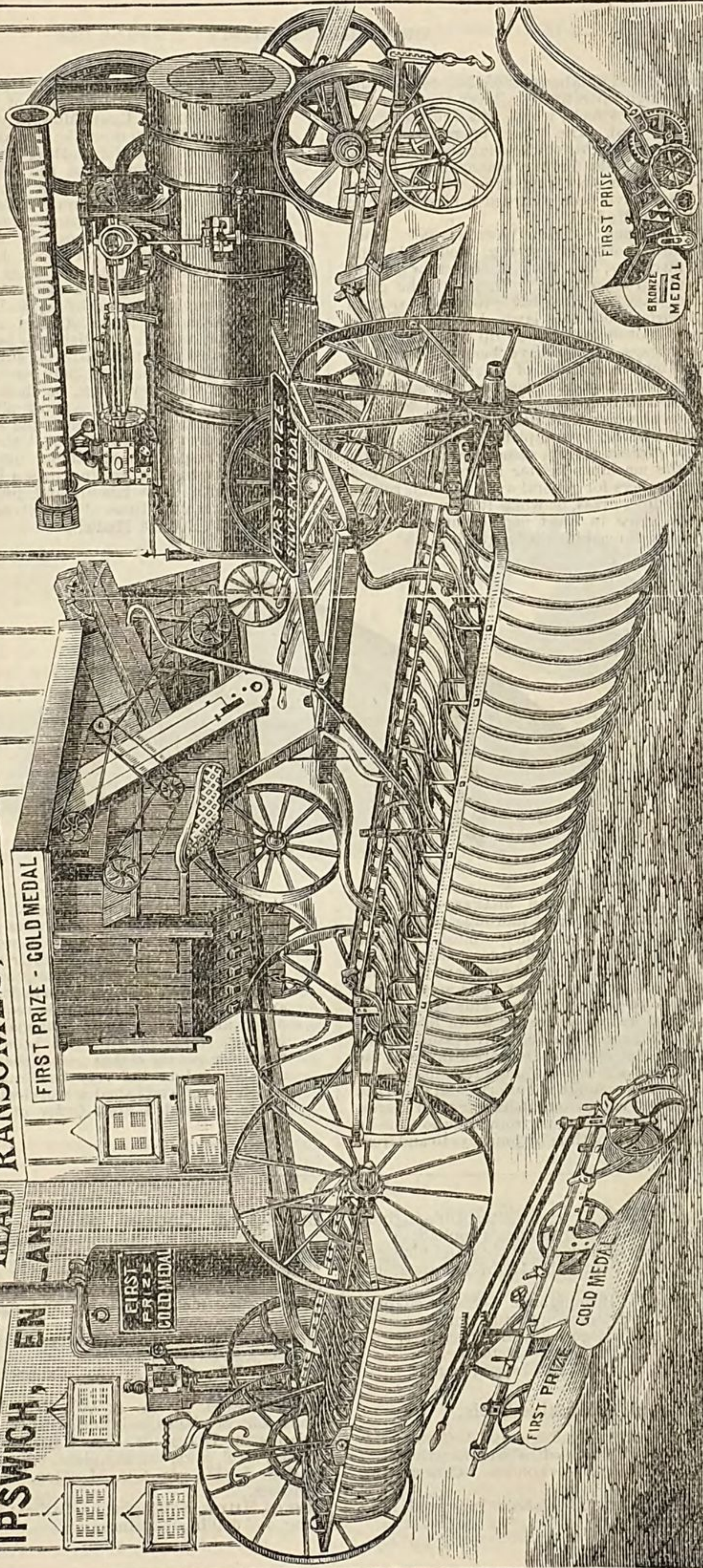
exhaust steam, and the consumption of fuel is considerably reduced. The boiler is built of 7-16-inch plates of the best iron, and tested by hydraulic pressure to 160 lbs. per square inch. The engine stands in front of the boiler, is entirely independent of it, and can be placed any distance from it if desired. The cylinder stand, valve-chest, and framing, which carries the working parts, are in one casting. The engine can be worked backwards or forwards as required, by means of the adjustable eccentric, and the crank-shaft is long enough to take the fly-wheel at either end.

STEAM THRESHING MACHINE.—The framing of this machine is constructed of the best hardwood, thoroughly seasoned and well put together, the joints being all secured with strong bolts and angle-pieces, and mounted on the best wrought-iron wheels. It is fitted with all the latest improvements for threshing, winnowing, cleaning, and bagging every description of grain at one operation. The drum is fitted with "Ransomes' Improved Spiral Reversible Beaters," which have three separate faces, and can be altered when one becomes worn. The concave of the drum is made of strong wrought-iron ribs and stout wire gratings; and protection is afforded against accident by a patent self-acting drum-guard, which closes the mouth of the drum if any one should fall on it or the feed-board. After passing through the various riddles and sieves, and being subjected to the fan-blast, the corn passes into the rotary adjustable screen, which separates it into three samples. This screen is formed with two wire cylinders (one inside the other) working on a slight eccentric, which, as it revolves, opens the wires at the top and allows the grains that are caught between them to fall back into the cylinder, doing away with the old system of the brush, which used to be such a heavy drag on this part of the machine. The screen can also be adjusted to make any sample of grain. This machine, which is made in sizes from 4-ft. drum to 5-ft. drum, has been awarded a First Order of Merit (**Gold Medal**).

SINGLE AND DOUBLE FURROW PLOUGHS exhibited are made especially to suit colonial requirements. They are built entirely of wrought-iron and steel. The single-furrow ploughs will work equally well with one or two wheels, owing to the length of the handles and the shortness of the beam, which gives the ploughman great command over the implement. They are fitted with strong flat coulter and steel breasts, and are made in all sizes—from the light 1-horse plough to the strongest plough for dam-making (to be used with 10 or 12 bullocks). The double-furrow ploughs have adjustable beams, and can be set to turn a sod from 8 inches to 14 inches wide. The depth and width of the furrow-wheel can be regulated by a lever and screw without leaving the handles. These are also furnished with disc coulters for ploughing land covered with heavy herbage, in addition to the ordinary coulter. These have also received a First Order of Merit (**Gold Medal**). They are made in sizes to suit, from 3 to 6 horses.

PATENT STAR HORSE RAKES.—The frame is made of strong wrought-iron, mounted on 48-inch wheels of the same material, fitted with long axles to ensure steadiness, and capped to exclude dirt. The teeth are of the best steel of a "T" section expressly rolled for these rakes. This form gives great strength combined with lightness, and reduces the friction of delivering the load, whilst the shape of the tooth secures clean raking. The wheels are furnished with side levers, having a parallel lift, and raise or lower the frame, by which the points of the teeth can be set to suit different styles of work required. The teeth are hung on a balance rocking frame, which locks itself fast when at work, but becomes completely balanced whilst the load is being delivered, so that the work of raising the teeth is reduced to a minimum. The delivery is effected by a compound lever, and can be worked by a boy. Those machines can be fitted with a seat, when the driver can deliver the load by the action of a double lever

RANSOMES, SIMS IPSWICH, ENGLAND. HEAD RANSOMES, SIMS & HEAD IPSWICH, ENGLAND.



FIRST PRIZE - GOLD MEDAL

FIRST PRIZE - GOLD MEDAL

FIRST PRIZE SILVER MEDAL

FIRST PRIZE

BRONZE MEDAL

FIRST PRIZE

GOLD MEDAL

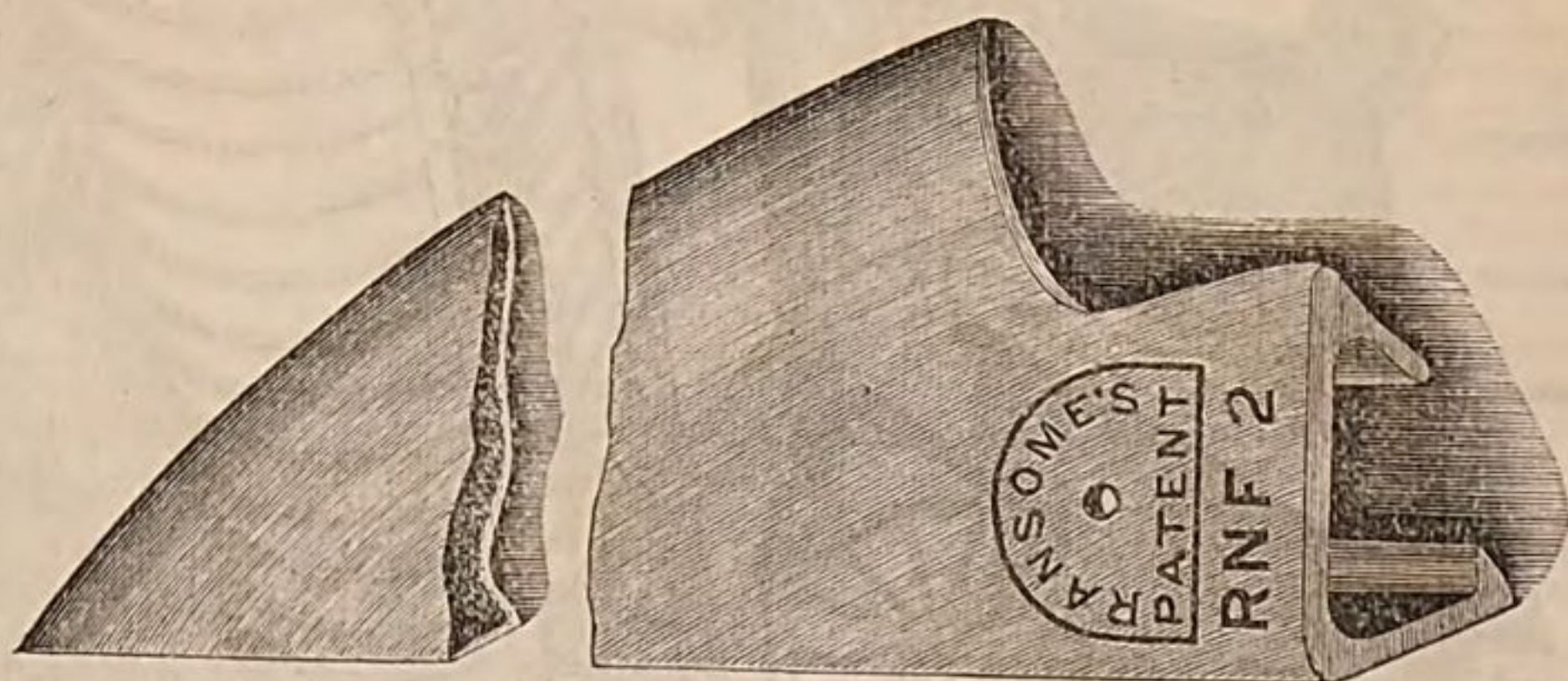
MESSRS. RANSOMES, SIMS & HEAD'S EXHIBIT OF MACHINERY IN THE BRITISH COURT.

and treadle; and another method is the self-acting delivery, which operates by a lever that forces a brake on to the wheels, which lifts the teeth and releases the load. The whole operation is performed with the right foot, leaving the driver the use of both hands for the management of the horses. Made in sizes from 8 feet wide to 10 feet wide. They have been awarded a First Order of Merit (Silver Medal).

LAWN MOWERS.—The "AUTOMATON" Lawn Mowers are thoroughly strong, well-made, and durable machines, and the best suited for *general* work and *gardeners'* use. They cut the grass perfectly, leave no ribs, but produce a smooth velvety surface on the lawn, having sufficient speed and not being choked up with knives as some machines. They have been still further improved by the addition of longer handles; by increasing the size of the grass box; by substituting a sheet-iron concave—which can be removed in a moment when it is desired to leave the cut grass on the lawn; by completely covering up the gearing to protect it from stones and dirt, and by making the machines lighter in draught. They have *front* rollers for general work, and *side* rollers for cutting long grass, or when it is unnecessary to roll the grass in front of the cutters. They have the best machine-made gearing, the best

knives of steel and iron rolled together, and an automatic silent action instead of ratchets.

The "GLOBE" Lawn Mowers were introduced for season 1880 to meet the demand for machines specially adapted for cutting long grass; and which, whilst similar to the lawn mowers imported from America, have the special advantages of the more accurate fitting and general durability of English manufacture, and perfect adjustment. The frames are strongly braced together by the ledger block being bolted to the sides of the machines. They have a cutting barrel which is large and open, with three knives, and is simply adjusted by top and bottom screws. The knives are made of steel and iron rolled together, and are not liable to be broken by any hard substance like cast-iron cutters, nor loosen like knives which are only screwed on. They will cut wet, dry, long, or short grass without clogging, and cut off almost all the "bents." Although they do not leave the surface quite so smooth as the "Automaton," they are superior in this respect to all similar machines, and are well adapted for getting over a large amount of work with little labour, and producing an excellent result. These also received a First Order of Merit (Bronze Medal).



PATENT CHILLED PLOUGH SHARES.—This important invention of Robert Ransome, patented in the year 1803, has come into almost universal use, though even now in some places its advantages are not fully known. These shares have the *under surface as hard as steel*, whilst the *upper part of the share is soft and tenacious*. This is shown in the annexed drawing, where the white line represents the hard, steely surface. By reason of this construction, the upper part wears away, and the cutting edge of the share always remains sharp; the draught of the plough is uniform, and *much less* than when fitted with wrought-iron or other shares, which wear blunt, and must from time to time be relaid, causing loss of time by journeys to and from

the smithy, and by waiting there. When properly made, these patent chilled shares are very tough and strong, and not brittle. A great deal of care and attention is required in their manufacture to insure a uniformly good share, well chilled and yet tough, and that is accurate in fit. An expensive and peculiar quality of iron is required. The art of manufacturing these self-sharpening shares having *originated with*, and been carried on by them for *nearly eighty years*, they are therefore able to produce the very best quality of shares, which have established a world-wide reputation. These received a First Order of Merit (Bronze Medal).

Shand, Mason & Co., London.—Steam fire-engines, manual engines, and other firemen's appliances.

Spencer, J., West Bromwich.—Tubes and fittings.

Stone, J., & Co., Deptford.—Hydraulic apparatus and appliances.

Tangye Bros., Birmingham.—Steam-engines, boilers, pumps; hydraulic apparatus, cranes.

Tullis, J., & Son, Glasgow.—Leather beltings.

Wallace, J., & Co., London.—Metalline.

Young, J. & T., Ayr.—Vertical steam-engine.

Class 53.—Machine Tools.

Allday, W., & Sons, Birmingham.—Bellows, portable forges, anvils, vices, smiths' iron hearths.

Bale & Co., M. Powis, London.—Cork-cutting machinery.

Bardsley, J., Liverpool.—Patent improved floor clamp, self-fixing.

Brooks & Cooper, Sheffield.—Anvils, vices, hammers, tools for smiths and excavators.

Brooks, J., Lye.—Anvils, hammers, chain pulley blocks, joiners' screws, road picks.

Crownshaw, Chapman & Co., Sheffield.—Saws, files, machine-planing and moulding irons, clyburn spanner.

Dodge, J. & R., Limited, Sheffield.—Files, steel, cutlery, saws, tools, &c.

Gilpin, W., sen., & Co., Cannock.—Edge tools, hammers, vices, &c.

Greenslade, E. A. & W., Bristol.—Carpenters' and joiners' planes, painting brushes, &c.

Ibbotson Bros. & Co. Limited, Sheffield.—Files, steel, saws, railway plant, edge tools.

Ladd, J. H., & Co., London.—Boomer patent presses.

Lee & Hunt, Nottingham.—Lathes; slotting, shaping, and drilling machines.

Lyndon, W. A., Birmingham.—Spades, shovels, and edge tools.

Marshall Sons & Co. Limited, Gainsborough.—Circular-saw benches, with iron table complete; saw-spindle, with pedestal and brass bearings.

Mathieson, A., & Son, Glasgow.—Mechanical, engineering, and edge tools, and machines; mortising, boring, and mitreing machines.

Onions, J. C., Limited, Birmingham.—Smiths' apparatus and implements, Eyre's patent self-blowing steam forge.

Powis, Bale & Co., London.—Cork-cutting machine.

Reynolds, F. W., & Co., London.—Band and circular sawing machines, mortising and boring machines, patent mitre cutter, flooring cramps.

Robey & Co., Lincoln.—Circular-saw bench.

Ruston, Proctor & Co.—Circular-saw bench.

Schaffer & Budenberg, Manchester.—Heape's screwing-machine, and machine tools.

Scott Brothers, Halifax.—Machine tools, steam hammer, and boiler-making machinery.

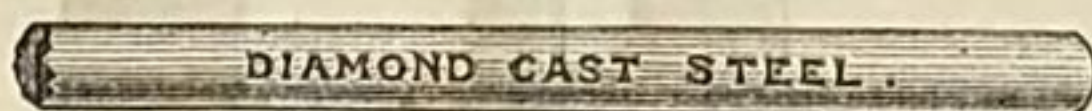
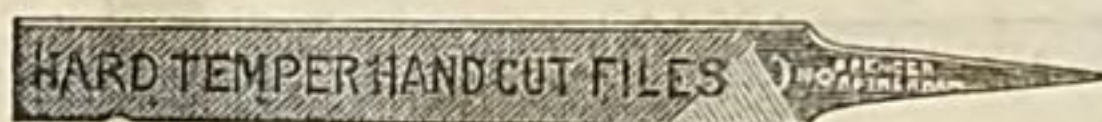
Shirlaw & Co., Birmingham.—Implements and tools for engineering and gas-fitting.

Smith, T., & Sons, Birmingham.—Carpenters' edge tools, axes, &c.

Spear & Jackson, Sheffield and Melbourne.—Saws, files, mining, engineering, and other tools.

Spencer, Walter, and Co., Midland Steel Works, Rotherham.—Cast Steel, Hand-cut Files, &c. Awarded First Order of Merit for Files (Silver Medal).

**SPENCER DIAMOND
ROTHERHAM CAST STEEL**



These Exhibits were shown in two sections—a desk section contains Steel, and an upright section Files. In the latter were to be found all kinds of Files, from the small one two inches long, used in watchmaking and other light industries, to the roughest cuts, two feet long, used for the heaviest kinds of work. One of the features of the section was that the whole of the files were so fitted in the case that they could be taken out for examination, an arrangement which is not usually made in exhibition cases. The second section contained fractures of Steel of every class; Blister Steel, Shear Steel, Soft Steel (where extra toughness is required), Tool Steel, and Steel specially adapted for the manufacture of hard turning tools. The samples were of various sizes, the smallest being Sheet Steel, 38 gauge.

At the Sydney International Exhibition, Messrs. Walter Spencer & Co., who have been established since 1777, were awarded Two Medals and Diplomas.

Taylor Bros., Sheffield.—Patent perforated guide-lined circular and hand saws; saw fittings, files, edge tools, patent sheep shears. (See page 600.)

Timmins, R., & Sons, Birmingham.—Hammers, pincers, shoe tools, &c.

Turton Bros. & Matthews, Sheffield.—Steel files; railway, conical, and volute springs; edge tools.

Tyzack, Sons, & Turner, Sheffield.—Saw and engineers' files, circular frame and carpenters' saws, scythes, &c.

Ullathorne & Co., London.—Awls and shoe-makers' tools.

Ward & Payne, Sheffield.—Edge tools, files, &c.

Wilkinson, J., & Sons, Dudley.—Smiths' anvils, vices, hammers, tee irons, &c.

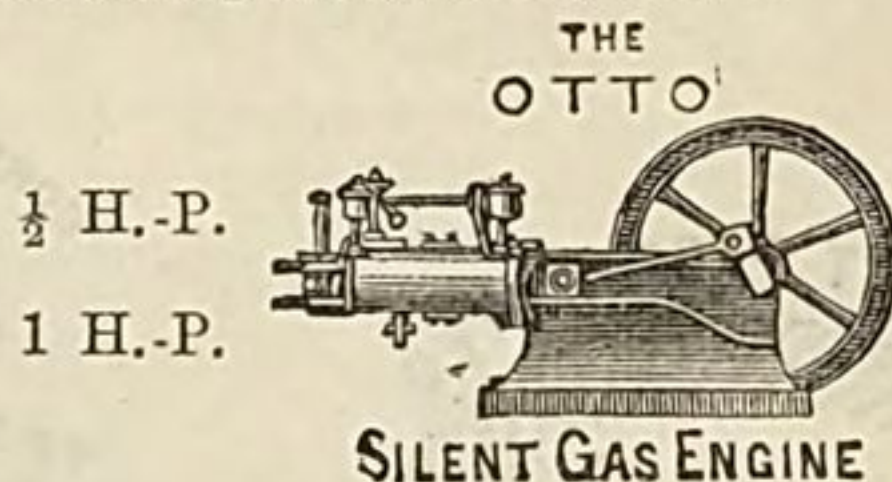
Wright, P., & Sons, Dudley.—Solid wrought anvils, parallel and other vices, hammers, &c.

Wynn, W. & C., & Co., Birmingham.—Carpenters' and engineers' tools, &c.

Yates, J., & Co., Birmingham.—Edge tools.

Crossley Brothers, Limited, Great Marlborough-street, Manchester.—Gas Engines. Awarded First Order of Merit for Gas Engines (Gold Medal).

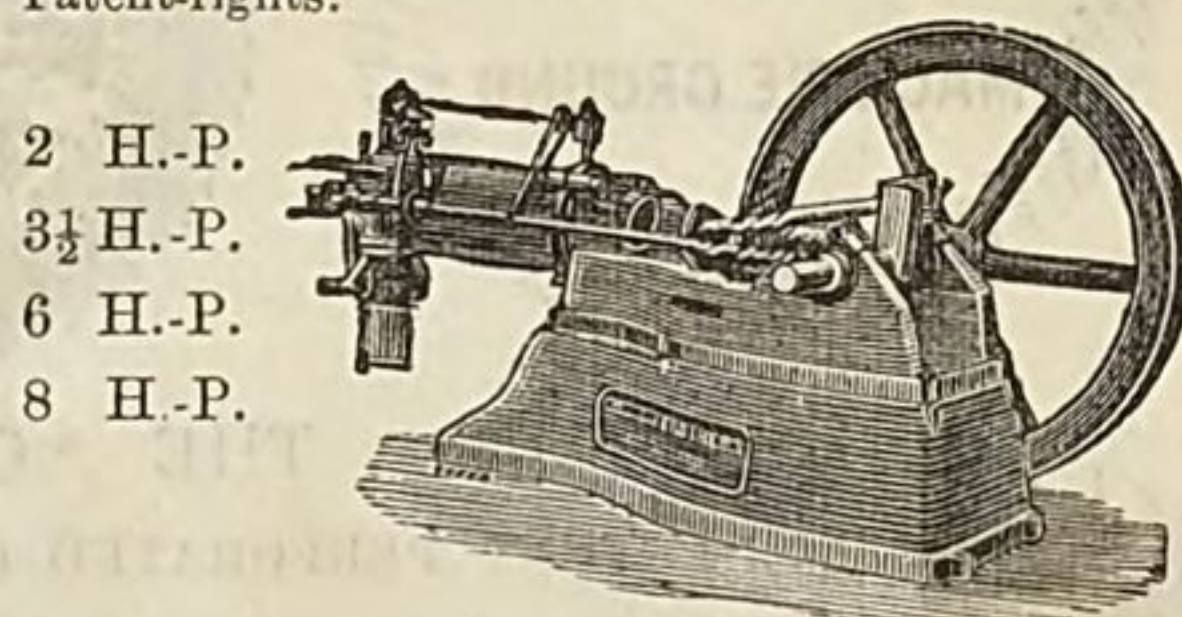
The Exhibit of Messrs. Crossley Brothers included the "Otto" Silent Gas Engine, in four sizes:—1 H.-P., 3½ H.-P., 6 H.-P., 12 H.-P.



½ H.-P.

1 H.-P.

Messrs. Crossley Brothers are Sole Manufacturers of this Engine for Great Britain, Australia, India, and all British Colonies. The "Otto" Engine cannot be made in the Colonies or imported from any of the Continental Licensees without infringing Patent-rights.



2 H.-P.

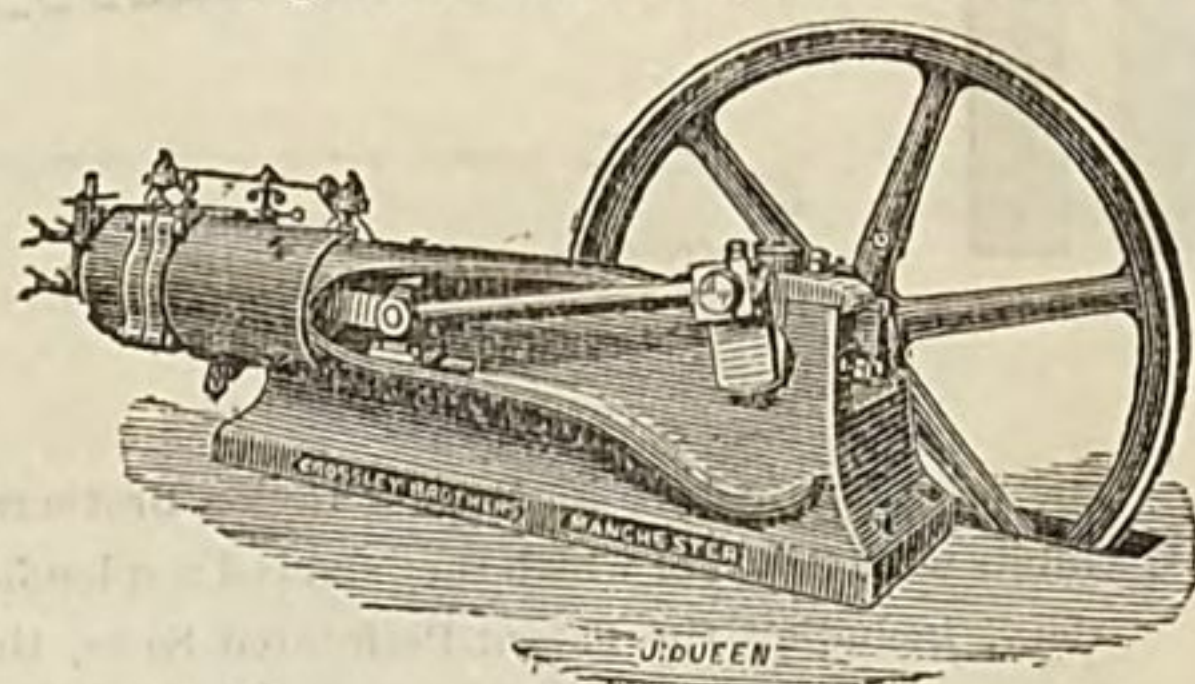
3½ H.-P.

6 H.-P.

8 H.-P.

About 6000 of these engines are now in use. The present sales of about 150 per month are their best testimonial. These "Otto" Engines may be found in almost every trade. Their advantages compared with steam are as follow:—No waiting to get up steam, start at once, no smoke, no dust, little heat, no ashes to cart away, no risk of boiler explosions, no boiler to wear out and clog up, take up little room, seldom affect insurances, are very economical in gas, require little attention, no chimney to build, no nuisance from bad water or feed pump, as in boilers.

These Engines are well made, and wear well.



16 H.-P.

For Hoists these Engines are by far the best motors. With gas at 4s. a 3½ H.-P. will work a large Cage Hoist for about 7s. per week. In Liverpool one firm alone have 43 "Otto" Engines at work in their warehouses.

They are made in the following sizes:—

Nominal Power.

½ | 1 | 2 | 3½ | 6 | 8 | 12 | 16 | 25

Maximum Indicated Power.

1.1 | 2.26 | 3.96 | 5.9 | 11.57 | 14.7 | 23.1 | 36 | 60

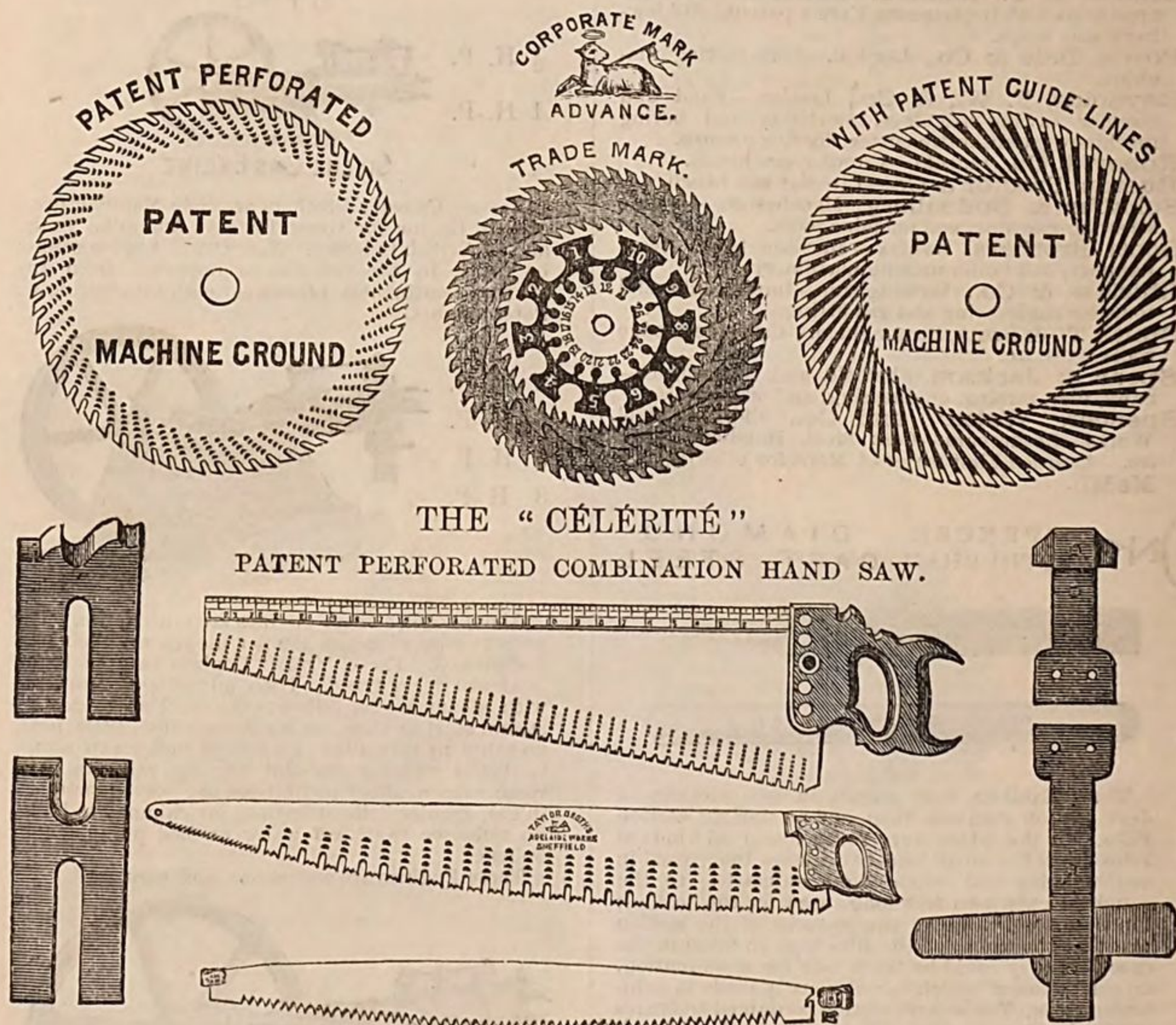
Compound Engines up to 90 H.-P.; Special Engines with Hydraulic and Force Pumps attached.

The Agents for the Firm are:—Victoria and Tasmania, Messrs. Cowan & Co.; Adelaide, Mr. James Hill; Sydney, Brisbane, and Dunedin, Messrs. Bright Bros. & Co.; Auckland, Auckland Gas Company.

Engines are kept in stock by all Agents.

Highly suitable as FIRE ENGINES; also being adopted as SEWAGE PUMPING ENGINES at a great saving as compared with steam.

Taylor Brothers, Adelaide Works, Sheffield.—Saws (Patent Perforated Saws, Guide-lined Circular Saws, Hand Saws, and all other kinds of Long Saws, Hand Saws, and other Short Saws); Saw Fittings, Steel, Files, Edge Tools, Machine Irons, Matchets, Patent Sheep Shears, &c. Awarded First Order of Merit for Perforated Saws (Silver Medal).



The principal feature in Messrs. Taylor Brothers' Exhibits were Saws, of which they showed a splendid variety, including the Patent Perforated Saws, the advantages of which are great and numerous. They effect, for instance, a great saving of Files and Filing, effectually prevent expansion and fracture, keep the teeth of uniform size, and are a great saving of steam power and hand labour. At the Vienna Exhibition in 1873, where the Firm exhibited a Patent Perforated Circular Saw of 87 inches diameter, they were awarded for the same the Highest Prize, viz., the Medal of Merit.

Messrs. Taylor Brothers' Exhibits showed further the Patent Guide-lined Circular Saw. The lines engraved thereon are the best possible guide to the sharpener; in following these lines it is impossible to go wrong. The Saw exhibited here was 88½ inches

in diameter, made of the best cast steel, and ground by patent machinery; it was the largest Saw ever made in the United Kingdom.

All other kinds of Saws, regular, as well as improved and new ones, were shown, too numerous to enumerate; also Saw Fittings, Machine Irons, Chaff Knives, Sugar Cane Knives, Matchets, &c.

Quite recently Messrs. Taylor Brothers have taken out a Patent for Sheep Shears, with movable blades, which they exhibited, and for which they claim important advantages over the regular ones.

Many distinctions have been obtained by Messrs. Taylor Brothers, the latest being at the Sydney Exhibition—First Prize, with First Special Prize for invention and improvement in Saws.

Messrs. Taylor Brothers send their Goods to all parts of the world, special attention being given to the requirements of each market.

Class 54.—Apparatus and Processes used in Spinning and Rope-making.

Hallam Bros., Ecclesfield.—Hand and machine hackles, gills, and wood and leather card covering.
Lawson, S., & Sons, Leeds.—Radial head drawing frame, automatic spinner.

Class 55.—Apparatus used in Weaving.

Shaw, F., & Co., Huddersfield.—Cards for wool, cotton, &c.

Class 56.—Apparatus and Processes for Sewing and for Making-up Clothing.

Bradbury & Co. Limited, Oldham.—Sewing-machines, &c.

Greenwood and Batley, Albion Works, Leeds.—Boots, Leather Belting, Traces, &c.

The Boots exhibited by Messrs. Greenwood & Batley were sewn by the Keats' Patent Wax Thread Lockstitch Rotary Shuttle Sewing-Machine. They illustrated, in conjunction with the Belts and Traces, also shown by them, the accomplishment of the problem of equalling hand-sewing by machine, making a thorough solid lockstitch and using ordinary shoemaker's wax.

THE BULK OF MESSRS. GREENWOOD & BATLEY'S EXHIBITS WERE LOST IN THE "SORATA." THE FIRM, HOWEVER, RECEIVED AWARDS OF FIRST ORDER OF MERIT WITH SILVER MEDAL FOR CARTRIDGE MAKING MACHINERY, AND SECOND ORDER OF MERIT FOR TWIST DRILLS, CHUCKS AND CUTTERS.

(See also Classes 40, 58, and 82.)

Howe Machine Co., London.—The original "Elias Howe" sewing-machines.

Jones & Co., Manchester.—Sewing-machines for manufacturing and domestic purposes.

Robinson & Co., Kettering.—Sewing-machines, &c., for manufacturing purposes.

Singer Manufacturing Co., London.—Sewing-machines, &c.

Class 57.—Apparatus and Processes used in the Manufacture of Furniture, &c.

Mathieson, A., & Son, Glasgow.—Mortising, boring, and mitring machines.

Powis, C., & Co., London.—Wood-working machinery.

Class 58.—Apparatus and Processes used in Paper-making, Dyeing, and Printing.

Avery, W. & T., Birmingham.—Weighing-machines for use in the preparation of paper and tissues.

Birmingham Machinist Co., Birmingham.—Simplissimus printing machines.

Caslon, H. W., & Co., London.—Printing type, in various stages of manufacture.

Dawson, W., & Sons, Otley.—Double-demy Wharfedale cylinder machine, with patent fliers; foolscap-folio platen machine.

Durable Printers' Roller Co. Limited, London.—Printers' rollers.

Greenwood and Batley, Albion Works, Leeds.—The "Sun" Platen Printing Machines, Greenwood and Kritch's Patent, in Foolscap Folio and Demy Folio sizes.

The "Sun" Patent Platen Machines exhibited were specially designed to combine great strength of construction, and of impression, with a very large and most effective ink distribution. The "Foolscap Folio" Machine was fitted with a card apparatus, by means of which cards can be printed at the rate of about 2,000 per hour.

The Agents of the Firm in Melbourne are Messrs. F. T. Wimble and Co., 70 Little Collins Street.

THE BULK OF MESSRS. GREENWOOD AND BATLEY'S EXHIBIT, INCLUDING THEIR "SUN" PLATEN PRINTING MACHINES, HAVING BEEN LOST IN THE "SORATA," THERE COULD BE NO AWARD FOR THE "SUN" MACHINES, BUT THE FIRM OBTAINED FIRST ORDER OF MERIT WITH SILVER MEDAL FOR THEIR EXHIBIT OF MILITARY METALLIC CARTRIDGE MACHINERY, AND ALSO A SECOND AWARD FOR TWIST DRILLS, CHUCKS AND CUTTERS. (See also Classes 40, 56, and 82.)

Greig, J., & Sons, Edinburgh.—Paper-cutting machines, bookbinding machinery.

Hampson & Bettridge, London.—Paper-ruling machine.

Powell & Sons, London.—Printing machines.

Seggie, A., Edinburgh.—Printing machines.

Zuccato & Wolff, London.—The "Typograph," a patent process for reproducing circulars, &c.

Class 59.—Machines, Instruments, and Processes used in various Works.

Bateman, A. H., & Co., London.—Patent emery wheels; Climax, Excelsior, and Speedwell grinders, patent valves.

Harris, G. H., Birmingham.—Linen hosing and belting.

Huxham & Brown, Exeter.—Tanner's pump.

Reinhold & Co., London.—Automatic advertising machine.

Schreiber, F. W., London.—Capsules, tinfoil, capsuling-machine.

Class 60.—Carriages and Wheelwrights' Work.

Coventry Machinist Co., Coventry.—Bicycles and tricycles.

Hickling & Co., London.—Bicycles.

Hopton & Sons, London.—Light phaeton, wood for coachbuilders, wheelwrights, &c.

Marshall, Sanders & Co., Birmingham.—Springs, bolts, &c., for carriages.

M'Ewen, J., Smethwick.—Axle-block, dray axle-arms, steeled and fitted complete.

M'Naught & Smith, Worcester.—Landaus and Victoria phaetons.

Offord, J., & Co., London.—Carriages.

Rigby, J., & Sons, Wednesbury.—Australian dray and lorry arms, axles, springs, bolts, &c.

Singer & Co., Coventry.—Bicycles.

Class 61.—Harness and Saddlery.

Bliss, W., & Co., London.—Saddles, harness, bridle-work, harness furniture, saddlers' ironmongery.

Cope, B., Bloxwich.—Bridles, bits, harness, saddlery.

Davis & Wilson, Birmingham.—Whips and whip materials, walking-sticks, adjustable whip sockets.

Jones, E., Birmingham.—Saddles, bridles, and sundries.

Lowe, Sleight, Bevan & Co., Birmingham.—Carriage furniture, harness, saddlery mountings, bridles, bits, &c.

Singer Manufacturing Co., The, London.—Welting and cording apparatus, for carriage and harness makers.

Sydenham, G., Walsall.—Bits, spurs, patent leather, saddlery, saddlers' ironmongery, &c.

Zair, G. & J., Birmingham.—Whips.

Class 62.—Railway Apparatus.

Avery, W. & T., Birmingham.—All kinds of weighing apparatus for railway use.

Bolling & Lowe, London.—Light portable railway for mines, plantations, brickfields, &c.

Cammell, C., & Co. Limited, Sheffield.—Steel, files, railway springs, buffers, axles, and tyres.

Gover, H. C., London.—Railway carriage window, opening from either side, as well as up and down.

M'Kenzie & Holland, Worcester.—Interlocking apparatus for signalling; railway junction (model).

Patent Shaft & Axle Tree Company Limited, Brunswick.—Railway wheels and axles, &c. (See page 602.)

Pooley, H., & Son, Liverpool.—Railway waggon, weighbridge, luggage weighing-machine, goods stage weighing-machine.

Saxby & Farmer, London.—Interlocking apparatus (12 levers), for working railway points.

Schaffer & Budenberg, Manchester.—Steam and vacuum gauges, water-lifting and forcing injectors, engine fittings.

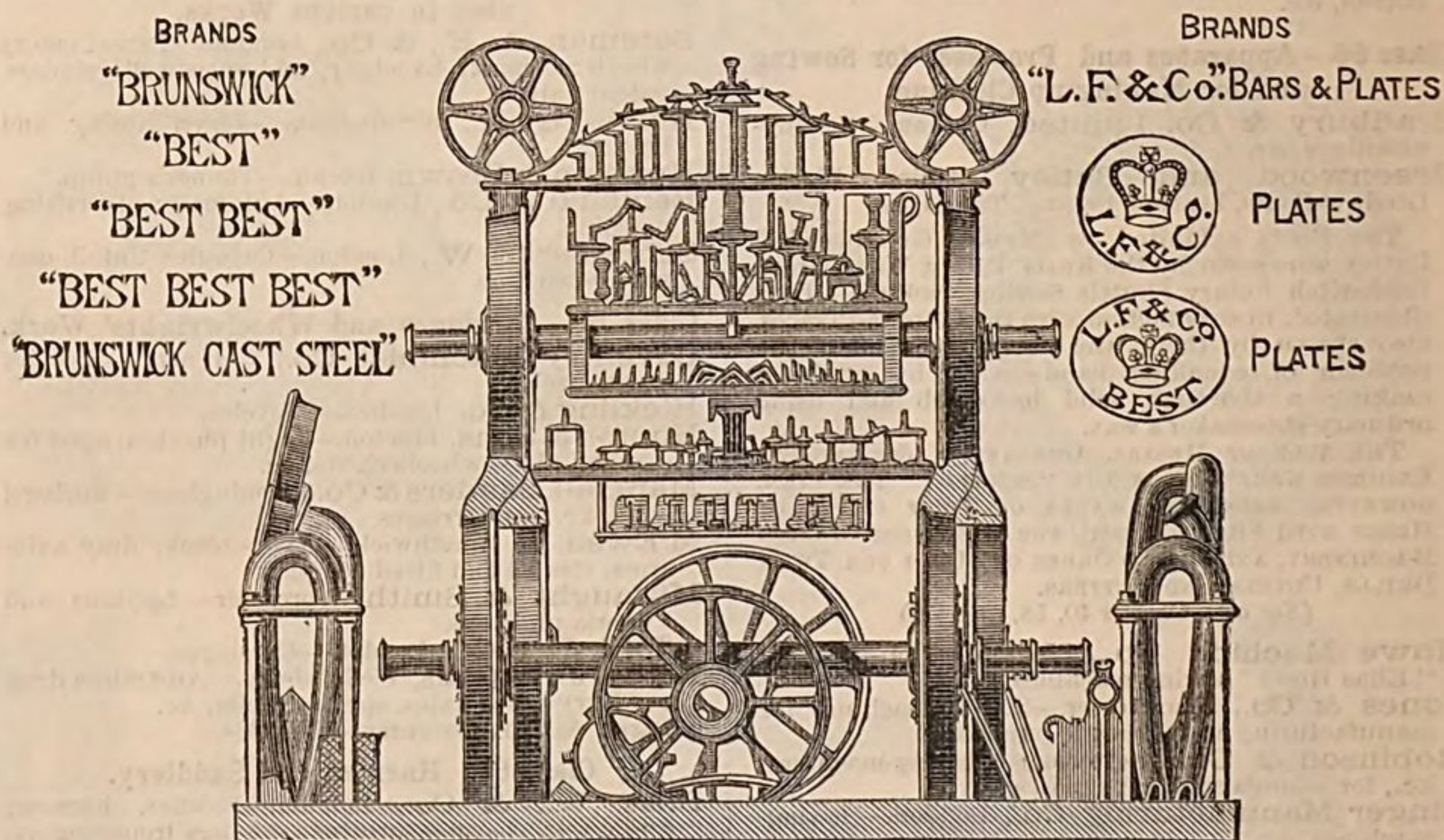
Smith, T., & Sons, Birmingham.—Bicycles, parts of bicycles, coach and railway wrenches, &c.

Vickers, Sons & Co. Limited, Sheffield.—Cast-steel tyres, axles, crossings, &c.

Class 63.—Telegraphic Apparatus and Processes.

Sax, J., London.—Electric bells and telegraphic apparatus, telephonic signal apparatus.

Patent Shaft and Axle Tree Company, Limited, Brunswick, Old Park, and Monway Iron and Steel Works, Wednesbury, England.—Railway Wheels and Axles; Steel Tyres and Axles; Channel Girder, Angle, Tee, Bar Iron, Plate Iron; Hot and Cold Tests; Railway Fittings, &c. Awarded First Order of Merit for Manufactured Iron and Steel (Gold Medal); and First Order of Merit for Railway Wheels and Tyres (Silver Medal).



The Wheels exhibited—Nos. 2 and 3—are specially adapted for Railway Carriages running at high speed, and are universally used by the English lines. The wood acts as a cushion, and provides for the comfort and perfect safety of the passengers, besides prolonging the life of the permanent way, the axles, and the structure of the carriages. The Mansell Rings afford absolute safety in case of fracture of the tyre, which cannot fly off and wreck the train, owing to their peculiar design. The "Stroudley's" and "Clarke's" Patent Bosses prevent the wood moving round the hub under continuous brakes. The axles are of "Best Patent Fagoted" Iron, equal to a tensile strain of 26 tons per square inch, with reduction of area of 40 per cent.; and the tyres of "Brunswick Cast Steel," equal to a tensile strain of 40 tons per square inch, with 50 per cent. reduction of area, of similar quality to the cold bent specimens—Nos. 7, 9, 14, 15, and 16. The Bolts and Nuts are all made from the Company's best Rivet Iron—equal to the twisted specimen, No. 49.

Included in the Collection were a Pair of Wrought Iron Wheels and Axle; Brunswick Cast Steel Tyres; Best Patent Fagoted Axle; Kirtley's Patent Wrought Iron Spokes; Wheel Centres, bossed and vee'd by pressure. These are both most excellent Wheels for waggons, combining cheapness with great strength. The Mansell Tyre fastening is here shown as applied to Wrought Iron Wheels on one wheel, and on the other is the "Gibson" fastening. Both are very serviceable, but though the latter has the merit of being very cheap, the Mansell is the most durable. To show the character of the welding in these Wheels, sections of boss and rim, made by pressure—Nos. 35 and 36—are exhibited. Many thousands of similar wheels, made by the Company, are now running on all the Australian Government lines.

The Wrought Iron Skeletons—Nos. 5, 6, 196, and 197—were exhibited as specimens of forgings made by pressure only, the latter being the type of Wheel most extensively used on the Indian State Railways.

Nos. 7 to 16 inclusive were specimens of the quality of the Iron and Steel made by the Company, Nos. 8 and 10 being part of an order for the New South Wales Government. The Patent Fagoted Iron and Brunswick Cast Steel Axles, and Brunswick Best Shafting Iron, are bent cold by maintained hydraulic pressure of 250 tons, and closed by a 10-ton steam hammer, without showing signs of fracture. The Brunswick Cast Steel Weldless Tyres are also bent cold by hydraulic pressure of 210 tons, and closed by a 10-ton hammer.

Nos. 17 to 21, 27 to 31, 49 and 199, were specimens of the component parts of the Wheels bent cold, to show the toughness, soundness, and ductility of the metal. This Iron, of which cold fractures are shown in a case, is specially adapted for cables, chains, railway couplings, &c., and will stand a tensile strain of 26 tons per square inch, with 50 per cent. reduction of area.

Nos. 22 to 26, 32 to 34, 37 to 39, 41, 43 to 47, and 198, were specimens of hot tests applied to Plate, Bar, Angle, Tee, and Channel Iron, showing to perfection the Horse-shoe and Ram's-horn tests.

Nos. 50 to 62 were specimens of Wrought Iron Rivets, 63 to 195 sections of Tee, Angle, Girder, Channel, Retaining Ring, Half-round, Z, and Column Iron, Rolled Chair Iron, Tyre Iron, Bridge and Tee rails, &c.; all being examples of section, quality, and workmanship.

The Company's agents at Adelaide are Messrs. Francis Clark and Son; and at Melbourne Mr. B. C. Burstall—of whom Catalogues, containing full lists of the Exhibits and of the various sections of Iron rolled by the Company, may be obtained—has represented them for twenty-five years.

Telegraph Construction and Maintenance Company, Limited, 38 Old Broad-street, London; Manufactories, Wharf-road, City-road, and Morden and Enderby's Wharves, East Greenwich.—Submarine Telegraph Cables; Shore-end, Intermediate, and Deep Sea Types. Awarded First Order of Merit for Submarine Cables (Gold Medal).

SUBMARINE TELEGRAPH CABLES.—The case of specimens of Submarine Telegraph Cables exhibited, fully illustrated the progress and development of submarine telegraphy up to the present time.

The Cables from Europe to North America, Brazil, Egypt, India, China, Australia, New Zealand, South Africa, and other parts of the world, 63,000 nautical (or 72,600 statute) miles in length, have been laid by the Company across seas and oceans, varying from shoal water to 3,000 fathoms in depth.

Some of these Cables have been grappled and brought to the surface from great depths, in one instance 2,400 fathoms (2 $\frac{3}{4}$ statute miles), and have been found in good condition after many years' submersion.

The Company was formed in 1864 by the amalgamation of Messrs. Glass, Elliot & Co. and the Gutta Percha Company. The latter were the first manufacturers of core for cables and land-lines insulated with gutta-percha.

The Company has, on every occasion when it has exhibited, obtained the Highest Award, including the Gold Medals for the Paris Universal Exhibition, 1878, and the Melbourne International Exhibition, 1880.

Theiler, M., & Sons, London.—New type printing telegraph; telephone transmitters and other appliances.

Whitecross Wire Co., Warrington.—Telegraph wire.

Zimdar, C. E., London.—Pneumatic bells, indicators for hotels, houses, offices, &c.; pneumatic despatch tubes.

Class 64.—Apparatus and Processes of Civil Engineering, Public Works, and Architecture.

Allan, J., sen., & Co.—Stable fittings.

Arrowsmith, A. J., & Co., London.—Parquet flooring, oak ballustrading, &c., for interior decoration.

Bessbrook Granite Co., Bessbrook.—Irish granites, dressed and polished for monumental and other work; Celtic crosses.

Bunnett & Co. Limited, London.—Lifts by hydraulic, steam, gas, and hand power; fireproof doors.

Chatwood, S., & Co., Bolton.—Model of patent hydraulic steel strong-room, and "Invincible" locks.

Clark and Co., London.—Shop-front fitted with noiseless self-coiling steel shutters.

Cowen, J., & Co., Blaydon-on-Tyne.—Fire-clay retorts, fire-bricks, supports for clay or iron retorts.

Doulton & Co., Lambeth.—Plumbago and fire-clay crucibles, furnaces, muffles.

Doulton & Co., London.—Sanitary appliances, water-closet apparatus, high-pressure valves, sluice valves.

Doulton, H., & Co., London.—Vitrified stoneware, drains, pipes, traps, closet-pans, sinks, &c.

Dunnachie, J., Glenboig.—Glenboig "Star" fire-bricks, fire-clay apparatus, &c.

Gostling, J. C., & Co., London.—Portland cement for building purposes.

Greenslade, E. A. & W., Bristol.—Brushware and tools.

Hall, J., & Co., Stourbridge.—Fire-bricks and clay.

Hamilton & Co., London.—Painting brushes, graining tools, &c.

Harley, G., & Co., Wolverhampton.—Locks and latches.

Harper, J., & Co., Willenhall.—Locks, latches, pulleys, malleable iron castings.

Harper & Moores, Stourbridge.—Fire-clays, fire-bricks, model glass house furnace for the manufacture of crystal or flint glass.

Harrison, G. K., Stourbridge.—Fire-clay manufactures.

Hobbs, Hart & Co., London.—Iron doors, for bankers' strong-rooms; locks.

Howorth, J., M.S.A., Manchester.—"Archimedean" revolving screw ventilators.

Jennings, G., London.—Baths, lavatories, general sanitary appliances.

Johnson, J. C., & Co., London.—Portland cement.

Keay, E. C. & J.—Patent fastenings, &c.

Kennedy's Patent Water Meter Co., Kilmarnock.—Water meter; model, with glass cylinder; sectional photograph and meter.

Lea & Griffiths, Birmingham.—Locks.

Macdonald, Field & Co., Aberdeen.—Polished granites, for monumental and architectural purposes.

M'Ewan, J., & Co., London and Melbourne.—Cement-testing machines, tiles, bricks.

Patent Enamel Co., The, Birmingham.—Enamelled sign-plates.

Penyrosedd Slate Quarry Co. Limited, Nantlee Penygroes.—Roofing slates, slate slabs, slate ridge roll.

Peyton & Peyton Tube Co. Limited, Birmingham.—Gas and water tubes.

Preston, E., Birmingham.—Rules, spirit levels, planes; tools for carpenters, joiners, &c.

Previte & Greig, London.—Roofing slate from Lord Penrhyn's Bangor quarries.

Rabone, J., & Sons, Birmingham.—Measuring rules, tapes, and bands; spirit levels.

Rennie, J., London.—Patent pumps.

Rustless Iron Co., London.—Specimens of rustless iron (Prof. Barff's process).

Salmon, Barnes & Co., Ulverston.—Revolving shutters.

Sessions, J., & Sons, Gloucester.—Enamelled slate mantelpieces, lavatories, &c.

Smeaton, W., & Sons, London.—Sanitary ware.

Smith, T., & Sons, Birmingham.—Tools for carpenters, stone masons; augers, hammers, &c.

Spencer, J., & Co., London.—Tubes, &c.

Underhay, F. G., London.—Lavatories and general sanitary appliances.

Walker, C. & W., London.—Centre-valves.

Walker, J., Birmingham.—Patent locks and door furniture.

Wilson, J., London.—Improved bell-trap.

Wright, P., & Sons, Dudley.—Anvils and vyces.

Class 65.—Navigation and Life-saving.

Anderson, Anderson & Co., London.—Models and plans of ships.

Berthon Boat Co. Limited, London.—Collapsible portable boats and canoes.

Carson & M'Ilwraith—Models of steamships.

East and West India Dock Co., London.—Model of the Wool Warehouses, and portions of adjoining South-west India Dock.

Inman Steamship Co. Limited, Liverpool.—Full shipped-rig model, &c., of s.s. "City of Berlin." (See page 604.)

Ismay, Imrie & Co., Liverpool.—Model of White Star R.M.S. "Britannic" and her engines.

London & St. Katharine Docks Co., The Dock House, 109 Leadenhall-st., London (General Manager, Col. B. H. Martindale, C.B.).—Models, Wall Plans, and Photographs of the Company's Docks, Warehouses, and Wool Department. Awarded First Order of Merit for Plans, Models of Docks (Gold Medal).

The London and St. Katharine Docks Company exhibited Models, Plans, and Photographs of their London, St. Katharine, and Royal Victoria and Albert Docks, and of their Warehouses and Wool Department.

The St. Katharine are connected with the London Docks, and these with the East Smithfield Railway Depot by means of bridges. They occupy an area of about 126 acres, and contain Warehouses admirably adapted for Housing, Working, and Showing Goods of every description and from all parts of the World, including Wool, Tallow, Metals, Wheat, Horns, Ivory, Seeds, Indigo, Spices, Gums, Tea

Dried and other Fruits, Cigars, Tobacco, Coffee, Sugar, Cotton, Cocoa, Pepper, Rice, Coir, Jute, &c.

The Vaults beneath the Warehouses are a special feature, and will contain not less than 65,000 pipes of Wine, 60,000 hogsheads of Brandy, 8,000 puncheons of Rum, and 6,500 tuns of Oil.

The Wool Warehouses in these Docks are the largest in the World, and are capable of housing 100,000 bales, and of showing at onetime 24,000 bales. They are provided with Reading, Writing, and Refreshment Rooms, and have been specially constructed and fitted for the Wool Trade. The following Table shows triennially the number of bales of Wool lotted for public sale in these Docks, compared with the total number lotted in London, since 1862 :—

	London and St. Katharine Docks.	Total in London.
1862.....	92,908	333,801
1865.....	167,800	459,679
1868.....	268,273	685,915
1871.....	230,342	771,192
1874.....	247,945	826,492
1877.....	327,801	1,006,213
1878.....	306,485	1,055,301
1879.....	330,479	1,040,595

The Royal Victoria and Albert Docks are the most extensive of their kind in London, and afford unrivalled accommodation to the largest ocean-going steamers, whilst their position, being by some miles the lowest down the Thames, enables vessels to avoid the more difficult and crowded parts of the River.

These Docks are three miles in length, and contain magnificent Graving and Dry Docks. They are in direct railway communication with the Manufacturing Districts by the London and North-

Western, the Great Northern, the Great Western, the Great Eastern, and the Midland Railways. Goods are conveyed to the ship's side without change of truck, and if despatched from the North by evening trains, are in the Docks next morning ready for shipment, without additional charge to the shipper.

These Docks, like all the other Docks belonging to the Company, are fitted with hydraulic power of every kind for docking and undocking vessels, as well as for lifting, housing, and delivering all descriptions of goods.

The Company's Railway Depôt in East Smithfield connects the Royal Victoria and Albert Dock with the London Docks and the City. Frequent goods trains run daily, carrying goods from London for shipment, and bringing goods from the Royal Victoria and Albert Docks for housing in the warehouses of the Upper Docks, or for distribution in London and to all parts of the Country.

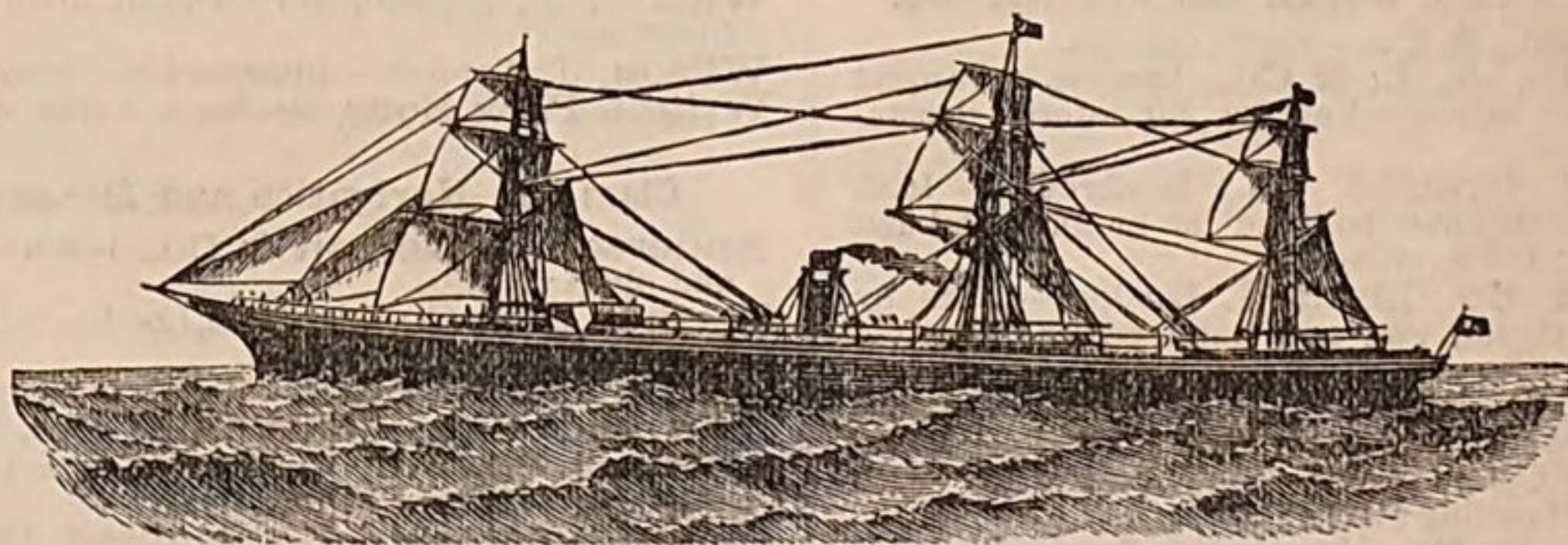
Through rates are now in force for London Goods sent to the Royal Victoria and Albert Docks for shipment, including collection in London, transit by rail from the Railway Depôt of the Company, and Dock Charges.

The Company's Cutler-street Warehouses occupy between four and five acres of ground in the centre of the City, and are a principal Depôt for storing Tea, Silk, Cochineal, Carpets, Piece Goods, Japan Wares, and other valuable produce from India and China. To give some idea of the property stored in these Warehouses alone, it may be mentioned that the Average Stock is estimated at from £4,000,000 to £5,000,000, and the value of property passed through the Warehouses annually at double that amount.

Merryweather & Sons, London.—Steam and manual fire-engines.

Orient S. N. Co., London.—Models, pictures, and plans of steamers, working model of engines.

Inman Steamship Company, Limited, 22 Water-street, Liverpool; 61 King William-street, London; 4 Rue-scribe, Paris; 31 and 33 Broadway, New York.—Full Shipped-rig Model, and Oil Painting, of S.S. "City of Berlin," the largest Passenger Steamship afloat. Awarded First Order of Merit for Full Models of Vessels (Gold Medal).



S.S. "CITY OF BERLIN."

The Inman Royal Mail Steamer "City of Berlin," of which Model was exhibited, was built and engined by Messrs. Caird and Co., of Greenock, in 1875. She is the largest merchant steamer next to the Great Eastern afloat; 5491 gross tons, 3139 net register; length, 489 feet, keel and fore rake; depth, 60 feet; breadth, 45 feet.

The "City of Berlin" has accommodation for 220 saloon and 1200 third-class passengers. She has made the run to New York from Queenstown (2830 knots) in 7 days, 14 hours, 2 minutes, being equal to nearly 15½ knots per hour; has made in one day's running 405 knots, equal to 460 statute miles, or 19 statute miles per hour.

The present fleet of the Inman Line consists of some of the largest (ranging from 4000 to 5500 tons), fastest, and most comfortable Vessels in the world. They are furnished with all modern improvements, to ensure the safety and comfort of every class of passenger; Pianos, Libraries, Electric Bells, Baths, Barber's Shops; and contain elegantly

furnished State Rooms, and a Saloon fitted with revolving Arm Chairs, in the centre of the Vessel, where noise and motion are least felt.

The good proportions, great size, full power, and excellent sea-going qualities of the Vessels constructed on the model exhibited, have made them famous for speed, regularity, and comfort. Their average speed is about 350 knots, or 400 statute miles per day; the run between New York and Queens-town—a distance of 2850 miles—being frequently accomplished within eight days.

The Inman Line (established in 1850, and the first to adopt Ocean-going Screw Steamers) is under contract with the British and United States Governments to convey the Mails between England and America.

Particulars of Sailings and Special Rates for Passages between Australia, New Zealand, and Europe, *via* San Francisco and New York, may be obtained from the Agents of the Pacific Mail S.S. Co., in Australian and New Zealand ports.

Oswald, Mordaunt & Co., Southampton.—Models of iron screw steamers, iron sailing vessels.
 Shand, Mason & Co., London.—Steam and manual fire-engines.
 Siebe, Gorman & Co., London.—Diving apparatus.
 Steedman & M'Alister, Glasgow.—Life-buoys, jackets, belts, pillows, cork mattresses.
 Tweedy, G., Chipping.—Antifriction and other bushes and sheares used in rigging ships.
 Vansittart, Mrs. H., Twickenham.—“Lower Vansittart” non-vibrating, full-backing propeller.
 White, R. M., Birkenhead.—Life-saving apparatus for shipwrecks or bathing, with four compartments.

Class 66.—Materials and Apparatus for Military Purposes.

Armstrong, Sir W. G., & Co., Newcastle-on-Tyne.—Field guns, models, &c.

Class 67.—Cereals, Farinaceous Products, and Products derived from them.

Borwick, G., & Sons, London.—Baking powder, custard powder, &c.
 Dutrulle, Solomon & Co., London.—“Pure grain malt sugars,” French patent No. 1 starch, starch powder.
 Grant, J., Scotland.—Scotch groats and oatmeals, Scotch pot and pearl barleys.
 Thorley, T., London.—Food for cattle, horses, sheep, pigs, poultry, game, &c.

Class 69.—Fatty Substances used as Food. Milk and Eggs.

Clanchy, T. J., Cork.—Butter, prepared for long voyages in hermetically closed tins and in firkins.
 Hay & Co., London.—Dried fish.
 Kopf & Co., London.—Consolidated soups.
 Marshall & Co., London.—Tinned fish.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Barringer & Brown, Nottingham.—Mustard and mustard condiments.
 Callard & Bowser, London.—Confectionery; boiled sugars, in paper packets and boxes.
 Corbett, J., Worcester.—Salt for domestic, dairy, curing, and other purposes.
 Dunn & Hewett, London.—Cocoa and its products, coffee, flavouring essences, curry-powder, sherbet, diagrams of the cocoa and coffee mills.
 Elder, A., Edinburgh.—“Royal Holyrood” and other sauces, essence of coffee and chicory.
 Evans, Sons & Co., Liverpool.—Lime-fruit juice and preparations.
 Fry, J. S., & Sons, London.—Chocolate and cocoa, and illustrative specimens.
 Grant, T., Maidstone.—Morella cherry brandy.
 Higgin, Thomas, Anderton Salt Works, Northwich, Cheshire; Offices—33 Tower-buildings West, Liverpool. Salt for Dairying and Household purposes, Bread Making and Meat Curing. Awarded First Order of Merit for Salt (Bronze Medal).



The Salt exhibited by Mr. Higgin is prepared from pure, full proof, natural brine, from the well-known Salt Deposits of Cheshire, by a newly patented process securing colour, purity, and cleanliness in the highest degree. It is free from Lime, Magnesia, and other deleterious and deliquescent substances, and being absolutely pure and without bitterness, im-

parts an excellent flavour, and is easily kept in the best condition.

The Salt is well known in the Dairying Districts of the United States, Canada, Ireland, and Scandinavia, and many awards have been made in respect of it at the various International and Local Exhibitions, of which the following may be mentioned:—

Philadelphia, 1876.

Paris, 1878.

London Dairy Show, 1879.

Dublin Dairy Show, 1879.

Diplomas from every County and District Dairy Show in the United States during the last four years have also been awarded to the Exhibitor.

Mr. Henry Berry, of Melbourne, Adelaide, and Sydney, is the Sole Agent and Importer for Australia.

Keiller, J., & Son, Dundee.—Marmalade, jams, jellies, confectionery, candied peels.

MacKay, J., & Co., Edinburgh.—Flavouring quintessences, from fruits, spices, &c.

Maw, T., Leeds.—Pickles, sauces, liquorice cakes, bottled fruits, &c.

Menier & Co., London.—Chocolates and cocoas.

Phillips & Son, Swansea.—“Taraxacum,” or dandelion coffee.

Pratt, J., London.—Sauce.

Read Bros. & Co., Wolverhampton.—Limejuice cordial; artificial fruit essences, for confectioners.

Rose, L., & Co., London.—Lime-juice cordial and other lime-juice beverages, free from alcohol.

Sparagnapane & Co., London.—Wedding-cake ornaments, cracker cosques, wreaths.

Stephens, J., Gloucester.—Pickles, sauces, vinegar.

Terry, J., & Sons, Clementhorpe, York.—Confectionery. Awarded First Order of Merit for Ordinary Confectionery and Cafe-au-lait (Silver Medal); First Order of Merit for Medicated Lozenges (Silver Medal); First Order of Merit for Candied Peel (Silver Medal); First Order of Merit for Jujubes (Silver Medal); First Order of Merit for Calves-foot Jelly (Bronze Medal).



The manufacture and export of Confectionery, as exhibited, have been carried on by Messrs. Joseph Terry & Sons more than a hundred years, the Firm having been established in 1767.

In order to ensure the highest quality of Lemon, Orange, and Citron Peels, the fruits employed in their manufacture by the Exhibitors are selected from the best shippers. Their success in this respect is testified by the very large and increasing demand for their make. A special feature is made of the thick or Spadaforese Lemon.

As regards material and manufacture generally, the greatest care is exercised, particular attention being given to the essential oils and those additions required to produce the finest flavour, and the colouring employed being perfectly harmless.

Medicated and other Lozenges required by Druggists are manufactured by the Exhibitors with great care, and, as far as possible, according to standard receipts. Proprietary Lozenges are also manufactured by them.

The Table Jellies of various kinds exhibited are so prepared as to ensure their keeping and preserving the bright appearance of newly-made Jellies.

York Confectionery Co., York.—Candied peel, lozenges, mixtures, &c.

Class 73.—Fermented Drinks.

Anglo-Bavarian Brewery Co., Shepton-Mallet.—Pale ale, in cask and bottle.
 Aitken, J., & Co., Glasgow.—Ale.
 Bowman, Duncan, & Co., Liverpool.—Scotch whisky.
 Burke, E. & J., Liverpool.—Dublin stout, Burton ales, Irish and Scotch whisky.
 Davis & Littlewood, London.—Glencoe Highland whisky.
 Dunville & Co., Belfast.—Irish whisky.
 Ford, W., & Sons, Leith.—Old Scotch whisky, Castle Blend.
 Greenless Bros., London.—Highland pure malt whisky; model of still.
 Hall, J. B., & Co., Liverpool.—Stout and whisky.
 Innes & Grieve, Edinburgh.—Old Scotch whiskies.
 Kemp & Co., Glasgow.—Finest Highland malt whisky.
 Kirker, Greer & Co., Belfast.—Old Irish whisky.
 Marshall & Holland, Limehouse.—Finings for clarification and preservation of ales, wines, &c.
 M'Ewan, Wm., & Co., Edinburgh.—Ales.
 Mitchell & Co., Belfast.—Irish whisky.
 Morrison, R., & Co., Glasgow.—Whisky.
 Morrison, R., Glasgow.—Aitken's Falkirk ale, in bottle and in bulk; Morrison's standard whisky, in bottle and in bulk.
 Paine & Co., St. Neot's.—Pale ale in bottle and cask.
 Porter, R., & Co., London.—Bass's ale and Guinness's stout, in bottle; champagne cider; Bull Dog brand ale and stout.
 Read Bros., London.—Bottled ale and stout.
 Siegert, Dr. J. G. B., & Sons, London.—Angostura bitters, Siegert's bouquet.
 Slater, Rogers & Co., Glasgow.—Scotch whisky, in bottle and bulk.
 Tennent, J. & R., Glasgow.—Beer.
 Turnbull, P., & Co., London.—Bulk and case whisky.
 Vaughan-Jones, E., 17 Water-lane, Great Tower-street, London.—Spirits, Liqueurs, and Cordials. Awarded First Order of Merit for Old Tom Gin (Silver Medal); First Order of Merit for Ginger Wine (Bronze Medal); First Order of Merit for Ginger Brandy (Bronze Medal); First Order of Merit for Cherry Brandy (Bronze Medal); Third Order of Merit for Case Rum (pure old Jamaica); Fifth Order of Merit for Case Whisky ("Standard" Scotch); Fifth Order of Merit for Case Whisky (old West Highland Malt).

TRADE MARK.



The "Standard" Spirits as exhibited are supplied to the Royal Palaces, the Clubs, and the Army and Navy.

The "Standard" and "Usquebaugh" Scotch Whiskies are made from the best Barley Malt only, and carefully blended, rectified, and matured.

The other samples exhibited were the celebrated "Standard" Rum (blend of finest old Jamaicas only), and the "Standard" Cherry Brandy, Ginger Brandy, Ginger Wine, Orange Bitters, Old Tom Gin, &c.

AT THE RECENT SYDNEY EXHIBITION THREE FIRST CLASS AWARDS (ONE WITH SPECIAL COMMENDATION) WERE GRANTED IN RESPECT OF THE ARTICLES AS NOW SHOWN.

Walker, J., & Sons.—Scotch whisky.
 Wormser, Harris & Co., Ireland.—Old Dublin whisky.

Class 74.—Specimens of Farm Buildings and Agricultural Works.

Bird & Co., London.—Tram waggons.
 Burgon & Ball, Sheffield.—Patent Solid Steel Sheep Shears, made from one piece of Steel. Awarded First Order of Merit for Sheep Shears (Silver Medal).



The peculiar advantages of the Sheep Shears exhibited by Messrs. Burgon and Ball consist in their being made of One Solid Piece of Steel from point to point, and their being

unbreakable by use, either in the bow, or at the junctions of shanks and blades. In cheapness, durability, and utility they are unsurpassed, and are as superior to every Shear made upon the old principle as Steel Digging Forks are to Iron Forks.

Of the All-Steel Sheep Shears, as exhibited, Messrs. Burgon & Ball are the largest manufacturers in the world, being the Original Inventors and Patentees (Patent dated Feb. 2nd, 1865). The Shears are produced by machinery, which Burgon & Ball were the very first to successfully introduce, thus saving the great cost of hand labour.

The following are some of the numerous Testimonials received:—

Mr. W. H. Moore, of Merced City, California, testifies:—"I have found your Shears generally far ahead of any others. I sheared 2,000 sheep with one pair last spring; something unprecedented." The Manager of Yardea Station, Adelaide, certifies as follows:—"The 11A are the best shears I have seen, and are very popular with the shearers. They are very lively, and have plenty of spring, without being too strong, and the steel is exceedingly good." Messrs. Fell Brothers & Co., Blenheim, reported, September 12th, 1879:—"Burgon & Ball's Brand has almost superseded the various marks of Shears of other manufacturers formerly used. All who have used the "B. & B." make state they are the best they ever cut with, the quality of the Steel being most excellent, on account of which the implement retains both the spring and cutting edge better than any other description.

At the South African International Exhibition of 1877 a Silver Medal was awarded to the Firm, who at the recent Sydney Exhibition received the First Award, the only one of the highest degree made in respect of Sheep Shears.

Burys and Co., Limited, Regent and Philadelphia Works, and 40 Eyre-street, Sheffield.—Sheep shears, chaff knives, edge tools, files, steel, &c. (See page 607.)

Crowley, J., & Co., Sheffield.—Chaffcutters.
 Hall, R., M.R.C.V.S., Stockton-on-Tees.—Sheep-dipping and washing machine.

Harrison, M'Gregor & Co., Leith, Lancashire.—Horse-gear.

Martin, R., Old Charlton.—Horse-clipping machines.

M'Ewan, J., & Co., London and Melbourne.—Lawn-mowers, chaffcutters, &c.

Musgrave & Co., Belfast.—Stable and cow-house fittings, models of stable and cow-house, harness brackets.

Richmond & Chandler, Manchester.—Chaff-cutting machines, corn-crushers, horse-gears.

Ward & Payne, Sheffield.—Sheep-shears.

Burys and Co., Limited, Regent and Philadelphia Works, and 40 Eyre-street, Sheffield.—Sheep Shears, Chaff Knives, Edge Tools, Files, Steel, &c. Awarded First Order of Merit for Tools and Sheep Shears (Silver Medal).



ALL THE
SHEARS ARE
MARKED :



The Shears exhibited by Messrs. Burys and Co. Limited, marked as above, are manufactured from the Best Cast Steel, and by new and special machinery, which secures the important advantage of working the steel at a lower heat, and dispensing with the uncertain process of welding. The blades being hammered and tempered in a superior manner, are warranted to carry an edge equal to the best made razors. The bows are double, and firmly riveted, thereby combining the greatest strength with the greatest elasticity.

At the International Exhibitions of London, 1851; Dublin, 1865; Cape Town, 1877; and Sydney, 1878, prize medals were awarded in respect of these Shears.

Messrs. Burys and Co. Limited are the sole makers of the Patent Elastic Double Bow Solid Cast-Steel Sheep Shears. All Shears of their manufacture are branded with the "Soldier" trade mark.

The collection exhibited also included Steel in various forms, Files of all descriptions, Edge Tools, Patent Picks for miners, quarrymen, and others, Scythes, Chaff, Hay, and Straw Knives, Reaper Sections, Machine Knives, Reaping Hooks, Strickles, Joiners' Tools, Saws, Plough Plates, and the Patent Tube Wrench or Universal Spanner.

For the superiority of their Steel, Files, and Edge Tools, Five Medals (four Gold and one Silver) have been awarded to the Exhibitors, as follows:—Paris, 1855, silver medal; and Paris, 1867 and 1875, Cape Town, 1877, and Paris, 1878, gold medals.

(See advertisement at end of book.)

Class 75.—Conservatories and Horticultural Apparatus.

Carter, J., & Co., London.—Grass and flower seeds, presented to the Commissioners of the M. I. E., 1880, and exhibited as seen growing in the grounds.

Carter, J., & Co., High Holborn, London.—Models of roots.

Crowley, J., & Co., near Sheffield.—Lawn-mowers.

Marples, William, & Sons, Westfield-terrace, Sheffield.—Carpenters', Masons', Engineers', and Gardeners' Tools. Awarded First Order of Merit for Edge Tools, Joiners' Tools (Gold Medal); and First Order of Merit for Garden Tools (Bronze Medal).



HIBERNIA.

The Collection of Tools exhibited by Messrs. William Marples & Sons included:—

Light and Heavy Edge Tools;
Augers and Auger Bits;
Joiners' and Carpenters' Tools;
Blacksmiths' and Engineers' Tools;
Spades, Rakes, Hoes, Forks, Shears, &c.;
Wood Carvers' Tools;
Planes and Rules;
Fret-work Tools;
Hammers, Pincers, and other Steel Toys;
Shipbuilders' and Coopers' Tools;
Wood Turnery, Handles, &c., of all kinds.

The Tools manufactured by this firm are well known in the Colonies, being specially prepared for exportation.

At the recent Sydney Exhibition a First Award was made to Messrs. William Marples & Sons.

Nettlefold & Sons, London.—Lawn-mowers.

Parkes, F., & Co. Limited, Birmingham.—Horticultural implements.

Skelton, C. T., & Co., Sheffield.—Horticultural implements.

Sutton & Sons, Reading.—Various lawn grasses and fodder grass, presented to the Commissioners of the M. I. E., and exhibited as seen growing in the grounds.

Class 81.—Apparatus and Processes of the Art of Mining and Metallurgy.

Bagot, A. C., London.—Safety indicators, clinometers, metallic thermometers, barometers for coal mines.

Bennetts, W., Camborne.—Safety fuse, for conveying fire to the charge for blasting.

Bickford, Smith & Co., Cornwall.—Safety fuses, for conveying fire to the charge in blasting.

Brunton, W., & Co., Wrexham.—Safety fusees.

Schram, R., Chesterfield.—Air compressor and rock drill.

Smith, T., & Sons, Birmingham.—Miners' hammers and picks.

Stillwell & Co., London.—Compressor and rock drill.

Class 82.—Mining and Metallurgy.

Anglo-American Tin Stamping Co., Stourport.—Tinned and enamelled stamped ware.

Askham Bros. & Wilson, Sheffield.—Cast steel for tools and miners' drills, spring steel, double and single shear, blister and sheet steel, &c.

Ash & Lacy, Birmingham.—Galvanised, tinned, corrugated, and flat sheets; roofing tiles, ridging, gutters, &c.

Baldwin, E. P. & W., Stourport.—Sheet iron, deep stamping sheets, tin plates, button iron, &c.

Baldwin, Son & Co., Stourport.—Tinned and enamelled hollow-ware, butt hinges, &c.

Barrows, William, and Sons, Bloomfield Iron Works, Tipton, Staffordshire.—Manufactured iron, boiler plate, sheet iron; angle, T., and rivet iron, &c. (See page 609.)

Barwell, J., Birmingham.—Steam fittings, brass cocks; tea, dinner, horse, and cattle bells, &c.

Blackwall Galvanised Iron Co. Limited, London.—Galvanised iron.

Briscoe, W., & Son, Wolverhampton.—Galvanised iron sheets, hardware.

Brown, J. B., & Co., London.—Galvanised wire netting, from four inches to half-inch meshes, with improved registered selvage.

Brown, J., & Co. Limited, Sheffield.—Iron and steel material for railway and other purposes.

Cartland, J., & Sons, Birmingham.—Builders', cabinetmakers', and naval brass-work.

Castle Iron Co., 16 Broad-street, Birmingham. Works: Wellington, Salop.—Bar Iron, Rod Iron, Rolled Fencing Wire. Awarded First Order of Merit for Galvanised Iron (**Silver Medal**); and First Order of Merit for Manufactured Iron and Steel (**Gold Medal**).

At the recent Sydney Exhibition a First-class Award was obtained by the Exhibitors, who also trade as "THE IMPERIAL WIRE COMPANY" and "NETTLEFOLDS."

Chatwood's Patent Safe and Lock Co. Limited, Bolton.—Fire and thief resisting safes.

Chubb & Son, London.—Fire and thief resisting safes.

Clark, T. & C., & Co., Wolverhampton.—Enamelled and tinned cast and wrought iron ware.

Cooke Bros., Birmingham.—Safety pins, curtain hooks and rings, fancy nails, drugget pins.

Cooke, W., & Co., Sheffield.—Bright shafting-iron, steel, steel fencing-wire, &c.

Cordes, J. J., & Co., Newport.—Corrugated-iron nails.

Crowley, J., & Co., Sheffield.—Carburetted malleable cast-iron.

Damon, R., Weymouth.—Specimens of geology.

Dodge, J. & R., Limited, Sheffield.—Files, saws, steel, edge tools, cutlery, &c.

Dudley, The Earl of, Round Oak Iron Works, Brierley Hill, South Staffordshire.—Manufactured iron. (See page 610.)

Fearncombe, H., & Co., Wolverhampton.—Japanned iron and tinware.

Francis, T., & Co., Birmingham.—Malleable iron nails, tacks, castings, &c.

Gospel Oak Iron & Galvanised Iron and Wire Co., London.—Iron, galvanised iron, wire, galvanised iron goods.

Granville, Earl, K.G., and the Shelton Bar Iron Co., Stoke-on-Trent.—Rolled iron, pig iron, puddled bars, sections of rails.

Greenwood & Batley, Albion Works, Leeds.—Bolts, Nuts, Screws, &c. Awarded Second Order of Merit for Twist Drills, Chucks and Cutters.

The samples of Bolts and Nuts exhibited by Messrs. Greenwood and Batley were made on the "Horsfall" Patent Bolt and Nut Forging Machine, the Screws being produced by Parker's Patent Automatic Screw Making Machines.

The Cartridges and other War Stores, &c., exhibited in Class 40, were—like the Bolts, &c., mentioned above—intended to illustrate Machinery manufactured by the Exhibitors.

(See also Classes 40, 56, and 58.)

Hadfield's Steel Foundry Company, Hecla Steel Castings Works, Sheffield.—Crucible Cast Steel Castings for Locomotives, Marine, Fixed, and Portable Engines, Ore Stamps, and Crushing Machinery, Agricultural Implements, Rolling Mills, &c.; Crucible Cast Steel Wheels for Railways, Tramways, Collieries, Slate Quarries, Ironstone, Lead, Tin and Copper Mines, &c.; Waggon made entirely of Cast Steel. Awarded First Order of Merit for Crucible Steel Castings (**Gold Medal**); and Second Order of Merit for Railway Wheels and Axle-boxes.



The Steel Castings exhibited were made of Best Cast Steel, and are manufactured under "Hadfield's" Patent. The following awards have been made in respect of them:—Gold Medal, Paris, 1878; the Highest Awards at the Manchester, Leeds, Wrexham, and Cornwall Exhibitions of 1875, 1876, and 1877; the Highest Award at the London International Exhibition, 1862; and the Highest Award at the Sydney International Exhibition, 1879-80.

The Exhibitors supply Steel Castings, as exhibited, from five lbs. weight to five tons, to any form or design required, also for every class of railway work. The Castings are soft and easily worked, possessing double the strength of wrought iron forgings, with tensile strain of 30 to 40 tons per square inch; unite all the best qualities of wrought iron with the greater lightness, denseness, and strength of steel, and are practically indestructible.

Harcourt, R. & C., & Sons, Birmingham.—General cabinet and mediæval brass foundry.

Hatton, Sons & Co., Kidderminster.—Sheet iron, tin plates, tinned sheets.

Hill & Smith, Brierley Hill.—Galvanised wire and wire fencing, straining pillars.

Hingley, N., & Sons, Harts Hill.—Manufactured iron, chains, &c.

Hobbs, Hart & Co., London.—Bullion and plate and fire-resisting safes.

Imperial Wire Company, 16 Broad-street, Birmingham. Works: Smethwick, near Birmingham.—Fencing and other Descriptions of Wire; The Patent Joint for Wire Fencing; Fencing Staples; Wire Nails, &c. Awarded First Order of Merit for Wire Fence (**Silver Medal**); Second Order of Merit for Wires for Fencing.

The Exhibitors also trade as "NETTLEFOLDS" and "THE CASTLE IRON COMPANY."

Jessop, W., & Sons Limited, Sheffield.—Steel, crucible steel castings, circular saw plates.

Johnson, Clapham & Morris.—Woven wire for screens.

Barrows, William, & Sons, Bloomfield Iron Works, Tipton, Staffordshire.—Manufactured Iron; Boiler Plate; Sheet Iron; Strip; Hoops; Best and Charcoal Rods; Best and Common Bars; Cable Bars; Angle, T, and Rivet Iron; Small Rounds, &c. Awarded First Order of Merit for Iron and Steel (Gold Medal).

TRADE MARK

FOR
BARS.



The Collection exhibited by Messrs. William Barrows & Sons consisted of:—

SAMPLES of BBH HORSE-SHOE IRON, largely imported into Australia, where its great wear-resisting properties and its capability of sustaining the deepest *fullering* (objects of special study in the process of manufacture) are widely known and appreciated.

CHAIN IRON.—Special attention is requested to the tensile strength of this Iron. One sample of 2 3-16 inches withstood the full power of Lloyd's Proving House at Tipton, viz., 150 Tons, without showing the slightest fracture; three samples of 2-inch Cable withstood upwards of 100 per cent. above the Admiralty test, and several smaller samples even a greater percentage. One most important feature it possesses is that, after having been repeatedly subjected to heavy strains, its fracture, when tested to destruction, is uniformly fibrous. This, together with its great reduction of area at point of fracture, renders it of special and peculiar value over other brands for the manufacture of Cables.

TIRE IRON, which must necessarily be tough and thoroughly *sound*.—Particular attention is given to these *desiderata* in the manufacture of the BBH Brand, and materials thoroughly adapted to the purpose are carefully selected and alone used. The specimens, tested hot by drifting, &c., abundantly show their soundness. Those broken cold exhibit a strength, colour, and closeness of fibre which cannot fail to arrest attention.

BOILER PLATES, DISHED AND FLANGED CLOSE (BOTH WAYS OF THE GRAIN).—These will be of special interest, for their extreme ductility, and as showing the severe manipulation which the Iron is capable of sustaining against the grain—a very important feature in Boiler Plates. The fame of BBH BLOOMFIELD BOILER PLATES is well known. Only the very finest Cold Blast Irons in commerce are used in their manufacture, the peculiar process of which gives not only great strength lengthways of the grain, but an unusually high tensional strength crossways; this, combined with the facility and success with which they flange, enables engineers to specify their use with every confidence.

TRADE MARK

FOR
PLATES, HOOPS,
AND
STRIPS.

BBH
BLOOMFIELD

The Collection also comprised:—

SHEETS, deep stamped;

RIVET IRON;

SQUARE BARS;

TWISTED and POLISHED ROUNDS, tied cold into knots, some after being turned down bright;

SPECIMENS OF VARIOUS SIZES OF IRON for general Smiths' and Engineering purposes, tested and worked in every conceivable manner, and also broken cold to exhibit its beautiful texture and its general excellence and malleability.

The Trade Marks illustrated above are the property of the Exhibitors, and the quality of the Iron stamped with them is well known all over the world. They have been duly registered in the countries named below, and their imitation for trade purposes is therefore fraudulent, and renders the imitators liable to legal proceedings.

AUSTRALIAN COLONIES; NEW ZEALAND and TASMANIA; AUSTRIA; BELGIUM; CANADA; FRANCE; GERMANY; HOLLAND; ITALY; PORTUGAL; RUSSIA; SPAIN; UNITED KINGDOM; UNITED STATES.

The operations of the Firm are carried on at the Bloomfield, Factory, and Tipton, Iron Works, where one hundred puddling furnaces are in use, the largest number at any works in South Staffordshire. The produce is 1000 tons of finished iron per week.

The brand BBH, above illustrated (derived from the names of the originators of the firm, Bradley, Barrows, and Hall), is well known and appreciated, not only in Great Britain and its Colonies, but all parts of the world. It has for many years been the most favourite English brand imported into Holland and the Low Countries, owing to the excellency and uniformity of its quality. The Bloomfield Works were erected a little later than 1826, having from time to time been amplified to their present dimensions.

At the recent Sydney International Exhibition a First Prize, ranking as Gold Medal, was awarded to Messrs. William Barrows and Sons.

Dudley (the Earl of), Round Oak Iron Works, Brierley Hill, South Staffordshire.—
Manufactured Iron. Awarded First Order of Merit for Iron and Steel (Gold Medal).



D

BRAND,

L



W.R-O

The Collection of Wrought Iron exhibited by the Earl of Dudley contained samples of Bars (which are made flat up to 12 inches wide, and rounds and squares up to 6½ inches diameter, Girders, Strip, Hoop, Horse-shoe, Cable, and Rivet Iron, of the various qualities made, viz., "L.  W. R-O," "BEST," "BEST BEST," "BEST BEST BEST," and "BEST BEST BEST CRYST;" besides Sporting Guns manufactured from his Lordship's "Damascus" Iron.

Above the case itself, and suspended from a spiral bar, were five bars intended to illustrate the various forms into which the larger sections of his Lordship's Iron can be tied or twisted. First, there is a 2-inch round bar turned down in a lathe, and afterwards tied cold, the knot being reduced to about six inches in diameter. Second, a double-headed rail twisted up tight so as to resemble a corkscrew, so close are the twists. The third and fourth bars are 3 and 3½ inches in diameter, tied into knots, each about 12 inches in diameter; while the fifth is a 6-inch angle bar twisted similarly to the double-headed rail previously mentioned, the ends being reversed and doubled in.

All these extraordinary operations (with the exception of the reversing and doubling of the last-named bar) were effected while the iron was cold. The bars tied into knots represent the Earl of Dudley's Treble Best "Cable" quality; and it is quite evident that a ship riding at anchor with chains made of such Iron would always be safe. It is believed that if the Admiralty tests were directed towards reduction in area at point of fracture, instead of relying solely on tensile strain, as at present, many shipwrecks would be prevented; and the Earl's Agents claim that the *desideratum* in question is supplied by the qualities of Iron included in these exhibits.

Among other interesting objects in the case is a small chain tested up to a tensile strain of 39 tons 14 cwts. per square inch, whilst reducing the area at the point of fracture 50 per cent. There is also a piece of 7-in. by 5-in. Girder Iron bent sideways of flanges until the two flanges meet together.

On the top shelf of the two end compartments were specimens of Merchant Iron, Horse-shoe

"L.  W.R-O. , Tire "L.  W R-O.



," Cable, and Plating, "nicked" and broken open to show fibre; also rough and polished samples of his Lordship's celebrated "Horse-shoe" Iron. On the second shelf were similar samples of "Best," and specimens of Rivet Iron and Rivets; and on the third shelf "Best Best" samples.

The centre compartment was appropriated to the Damascus Guns, Horse-shoes, and a Galvanised Iron Bar, tied cold; also, samples of "Best Best Best," including Crystalline Iron. This latter can be worked up into any conceivable form, as will be seen from the curious forged samples on the third shelf. Each of the 1½-inch fractured specimens stood 300 blows from a 36-lb. sledge before breaking open, although deeply "nicked" on the top and sides. It has all the tenacity of steel with the ductility of iron.

With respect to the Gun Iron, it is interesting to note that the peculiar figures or flagree work shown on the Guns exhibited are not produced by acids or any artificial means, but are the natural effect of the combination of iron and steel in the original bar from which the Guns were made. The Iron is known in the trade as "Damascus Iron," because this particular description of metal was originally made in the ancient city of Damascus, from whence came the celebrated "Damascus blades," so intimately associated with the Saracen wars. From this natural alliance of iron and steel it may be inferred that even the ancients discovered that these metals had each its separate functions, which neither could dispense with, so that, whatever may be said about steel entirely superseding iron, experience has shown in the past, and is showing still, that this is a dream not likely to be realised.

The ground floor contained large specimens of Rounds, Squares, Angles, Tee, and Girder Iron, tested hot and cold, as marked.

The case itself, with its tasteful decorations, including his Lordship's coronet over each section, had a *tout ensemble* very striking and picturesque. It may be added that every sample shown has been taken from orders in course of execution; and as the Brand is distinctly marked on each, the public have a fair guarantee that whatever orders may be given out on the strength of these specimens will be executed in precisely the same quality as is here exhibited and indexed.

At the International Exhibitions of London (1862), Paris (1867), and Sydney (1879-80), the highest awards were respectively secured in respect of these manufactures.

Mr. E. Fisher Smith is the Earl of Dudley's Agent, and his official address is The Priory Office, Dudley.

Johnson, Christopher, & Co., Western Works, and Western Steel Works, Sheffield.—Files, Steel, and Tools. Awarded First Order of Merit for Files (**Silver Medal**); Second Order of Merit for Steel; and Second Order of Merit for Edge and Joiners' Tools.



The Collection exhibited by Messrs. Christopher Johnson and Co. included:—

Blacksmiths' and Farriers' and Carpenters' Hammers and Pincers;

Upholsterers', Saddlers', and Engineers' Hammers, Pincers, Pliers, Nippers, Callipers, and Compasses;

Carpenters' Saw Sets, Spokeshaves, Bevils, Squares, Spirit Levels, Turn-screws, Saw Pads, Braces and Bits, Marking Gauges, Mortise Gauges, Gimlets, Planes, Brace Bits and Augers, Wrenches and Spanners, Chisels, Gouges, Plane Irons, Drawing Knives, and Tinmen's Shears;

Blister, Cast, and Engineers' Tool Steel, Miners' Steel, Hammer, Cast, Shear, and Spring Steel;

Saw Files, Engineers' and Brassfounders' Files, Marble Files, Cabinet Files and Rasps, Horse Rasps, Shoemakers' Rasps;

Wood Carvers' and Engravers' Tools;

Mincing Knives, Meat Choppers, Butchers' Cleavers;

Hatchets, Carpenters' and Woodmen's Axes, Carpenters', Ship, Fencing, and Australian Adzes.

Pruning Hooks and Switching Bills, Bill Hooks;

Masons' Trowels, Plasterers' Trowels, and Moulding Tools;

Garden Hoes and Tools, Pruning Shears, Sicateurs, and Tool Chests. (See also Class 23)

Johnson, Rich, & Nephew, Manchester.—Wire. **Kenrick, A., & Sons, West Bromwich.**—Tinned and enamelled cast-iron cooking utensils, ornamental ironwork.

Kirkstall Forge Co., Leeds.—Patent rolled round iron and steel, shafts and spindles. (See page 612).

Lloyd & Lloyd, Birmingham.—Wrought-iron tubes and fittings.

Milner's Safe Co., Limited, Liverpool.—Fire and thief resisting safes, bank strong-room doors, &c. (See page 613).

Milward, H., & Sons, Redditch.—Needles, sewing-machine needles, and fish-hooks.

Muntz, P. H., & Co., London.—Muntz metal.

Nettlefolds, 16 Broad-street, Birmingham. Works: Smethwick and King's Norton, Birmingham; and Wellington, Shropshire.—Screws, Screw Hooks, Nails, Bolts, Rivets, &c. Awarded First Order of Merit for Screw Bolts and Nails (**Silver Medal**); and First Order of Merit for Differential Ratchet Brace, Fencing Wire, Knotting Machine (**Silver Medal**).

This Collection included:—

Patent Pointed Iron, Brass and Copper Screws for Wood or Metal; Screw Hooks, Screw Eyes, Gate Hooks and Eyes, Cotter or Linch Pins; Bright Bolts and Nuts; all kinds of Iron Rivets; the Patent Counter-Sunk Clout Nails; Ratchet Braces; Steam Lubricators; Pianoforte Furniture; Special Hooks for Cotton or Woollen Machinery, &c.

The Exhibitors, who also trade as "THE CASTLE IRON COMPANY" and "THE IMPERIAL WIRE COMPANY," obtained Two First-Class Awards at the recent Sydney Exhibition.

Newall, R. S., & Co., Gateshead-on-Tyne.—Steel wires and ropes.

Nichols & Beddoes, Bloxwich.—Saddlers' needles.

Nottingham Malleable Iron Co. Limited, Nottingham.—Malleable castings, for engines, &c.

Parkes, J. & J., Smethwick.—Nails, shoe-tips, and cast holloware.

Peat, Chattock & Co., London.—Tin plates.

Pemberton, T., & Son, Birmingham.—Cabinet and builders' brass foundry.

Phillips & Sons, Birmingham.—Safes, bedsteads

Phosphor Bronze Company Limited, Southwark, London.—Specimens of Articles in Phosphor Bronze. Awarded First Order of Merit for Phosphor Bronze (**Silver Medal**).

The Collection exhibited by the Phosphor Bronze Company Limited included:—

A "Phosphor Bronze" Crushing Roll Bearing, taken out for exhibition from the Rice Mills of Messrs. Barclay, Gray and Co. This Bearing was put in in November, 1874, and taken out July, 1876, having worked night and day (122 hours per week). On the other side was placed the accompanying Gun-Metal Bearing, which was completely worn through in the same time, the wear on the Phosphor Bronze being, as may be seen, scarcely perceptible;

Phosphor Bronze Worm Wheel, after eighteen months' wear in Messrs. McGaw and Co.'s Moulding Mills. This was substituted for Brass Worms, which did not stand 12 days' wear; one Phosphor Bronze Bar tested by Mr. David Kirkaldy, for torsion; one smaller Phosphor Bronze Bar, tested by David Kirkaldy for compression;

Phosphor Bronze Railway Carriage Bearing (rough casting), as used by the principal British Railway Companies;

Phosphor Bronze Finished Bolt and Nut, as used in Deacon's System of Tramways, now being largely adopted;

Phosphor Bronze Rolled Pump Rod Forged;

Phosphor Bronze Sheet, as used for Valves in place of India Rubber, for Driving Bands in place of leather, and for Spindle Bushes, and numerous other purposes.

Phosphor Bronze Wire, used for Telegraphic purposes, Electric Lamps, Wire Ropes for Mines, Wire Web for Paper Makers; also for Springs and for Tap Wires for Organs; Bicycle Spokes, &c.

Phosphor Bronze Tubes for Locomotive and Marine Engine Boilers, and innumerable other purposes; these are much stronger than Copper or Brass, and therefore capable of being used thinner.

Phosphor Bronze Steam Fittings. One Ball Clack Valve, and one set of Gauge Cocks. Their advantages over Gun Metal or Brass are—greater durability and resistance to the action of acids and bad water, and better appearance.

Phosphor Bronze Revolver;

Phosphor Bronze Harness and Coach Furniture, Carriage Pole End, Pair of Stirrups, two Buckles. Advantages—Great strength and non-liability to rust, handsome appearance.

Phosphor Bronze Locket and Chain;

Phosphor Bronze Scissors and Knife, as used in Powder Works, Government Laboratories and Magazines. The Metal does not emit sparks like Iron, Steel, Brass, Copper, or Gun Metal;

A Rough Casting, as supplied to the Royal Yacht *Osborne*, showing fluidity of metal;

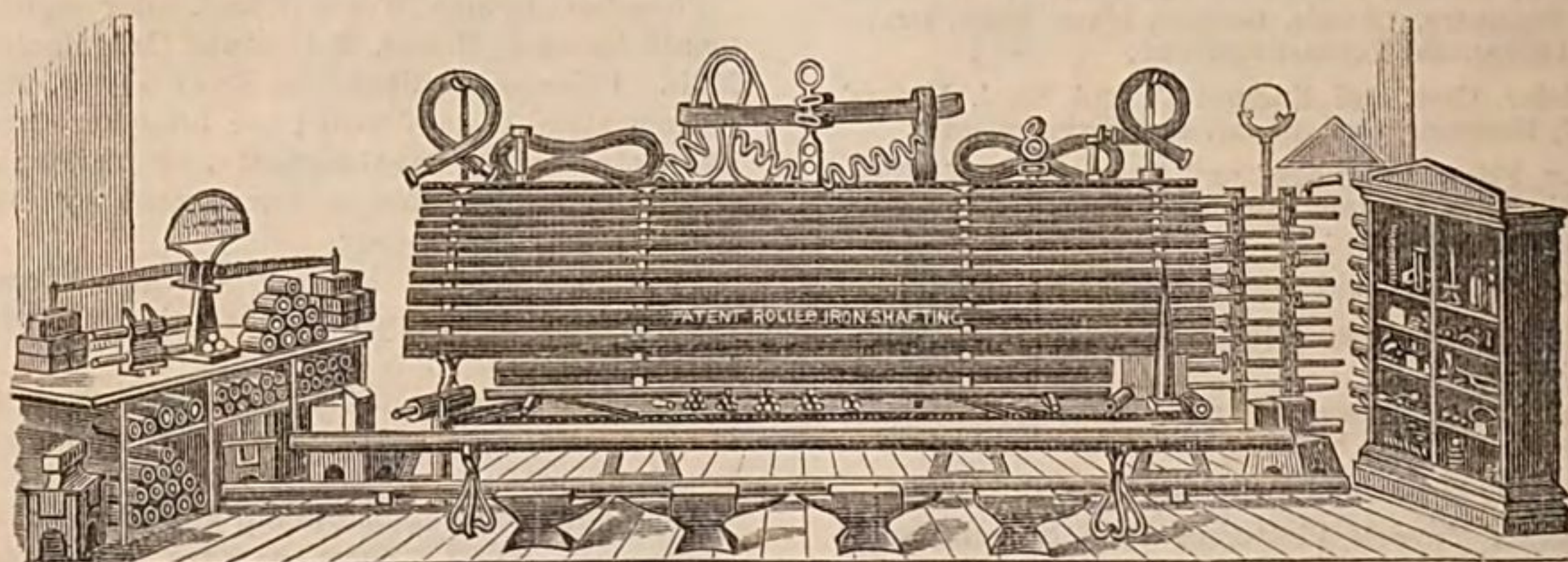
Phosphor Bronze Statuary and Ornamental Work. The "Tired Hunter." Part of a Group by Mr. Boehm, R.A.

The attention of those interested in the articles now exhibited is directed to the small Pamphlet issued by the Company, copies of which may be obtained on application.

Kirkstall Forge Company, Kirkstall Forge, Leeds.—Bars of Patent Rolled Round Iron from $\frac{1}{4}$ inch to 7 inches diameter, for Line Shafting and general Machine purposes; Bars of Patent Rolled Steel; assortment of Patent Rolled Shafts and Spindles; specimens of Best (KIRKSTALL) Iron manufactured by the Exhibitors; Best Best Best Treble-worked Iron; Ordinary Bar Iron; Butler's Patent Flanges; Butler's Patent Friction Coupling; specimens of Patent Cart Arms, known as "Kirkstall" or "Drabbles;" Patent Long Bolt Mail Axles; Patterns of Axles for Road Vehicles; selection of Blacksmith's Anvils, warranted. Awarded First Order of Merit for Tires and Axles, Shafting, Patent Coupling (**Silver Medal**); First Order of Merit for Manufactured Iron and Steel (**Gold Medal**); and First Order of Merit for Axles (**Bronze Medal**).

The SHAFTING exhibited is rolled by a Patent process of the Company, and is produced so round, true, and straight, as to equal any ordinary turned shafting. It is at the same time increased 20 per cent. in torsional strength over the ordinary rolled iron in the rough, while as compared with turned iron of the same diameter, the gain in strength is much greater. In turning, the skin is usually removed, while by the Kirkstall Forge Company's

process, which is applied while the Iron is still hot from the rolling mill, the skin is not removed, but is smoothed down, at the same time the Iron is compressed and stiffened. By this process Round Iron is produced equal in essential finish to that which has been turned, and much superior as to strength, and at a cost but slightly more than that of ordinary Rolled Iron in the rough.



The BARS of ROLLED STEEL have been put through the same process as the Iron referred to above, and the same remarks apply to them.

The ROLLED SHAFTS and SPINDLES are made both in Iron and Steel, of various sizes and lengths, as actually in use in various machines, some of them being fitted with gauges and arranged in different ways to show accuracy and regularity of finish. Round Iron or Steel finished by this process is peculiarly adapted for agricultural implements, the prices of which are in many instances materially reduced by its use. It is now very extensively used for this purpose, as well as in all kinds of other machines.

The SPECIMENS OF BEST (KIRKSTALL) MANUFACTURED BY THE EXHIBITORS are made entirely from cold blast Pig Iron, refined and selected for Engine and Railway purposes.

THE BEST BEST BEST TREBLE-WORKED IRON is employed for special Smithing and Turning purposes.

THE ORDINARY BAR IRON is used for ordinary good Smithing and Turning purposes.

THE BUTLER'S PATENT FLANGES are employed for securing round iron or steel shafts or arbors in the wooden rollers of Washing Machines; the object being to utilise for such shafts or arbors the Exhibitors' Patent Rolled Iron or Steel, in place of square, octagon, or other heavy section, such as hitherto used; and the advantages of this system are the

avoidance of the bursting action upon the roller of the square or octagon shafts, which are forced through round holes in the rollers; and, further, the avoidance of any turning of the ends.

THE COUPLING, of various sizes, manufactured by the Exhibitors, has been brought out by them specially for their Patent Rolled Shafting, for which it is admirably adapted. It embraces all the advantages given by the friction couplings hitherto in use, while it is cheaper, and possesses other special advantages. There is no key; and no special fitting on the shaft is required. The grip is obtained entirely by friction, and is capable of transmitting the full power which the shafting coupled by it is called on to give out.

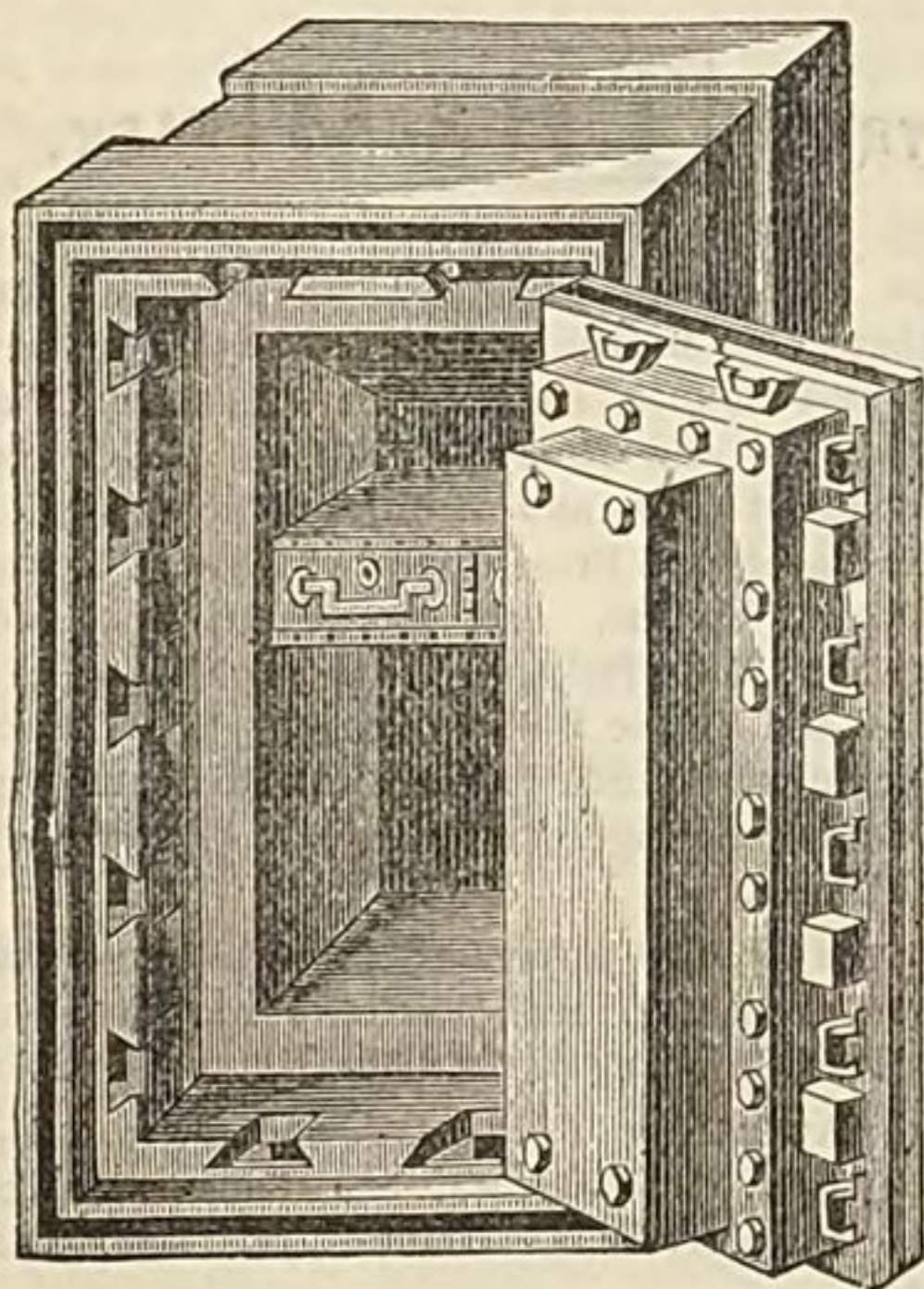
THE PATENT CART ARMS are made from the very best double fagoted Scrap Iron, selected and cleaned, and are forged out of the solid. They are egg-shaped in the barrel and have no sharp indents, the style of finish being peculiar to the Exhibitors, who claim great advantages for their system.

All the various parts of the PATENT LONG BOLT MAIL AXLES are made to gauge, and are interchangeable, and can therefore be supplied separately. They are also guaranteed to fit. The style of finish is new and special. The same care as to quality is used in all the axles manufactured by the Company, and all are guaranteed case-hardened.

Milner's Safe Company, Liverpool, Phoenix Safe Works, Liverpool; Milner's Buildings, Moorgate-street, London; 8 Lord-street, Liverpool; and 28 Market-street, Manchester.—Wrought Iron Safes, Fire and Thief Resisting; Gunpowder Magazines, Strong Rooms, Bank Doors, Gates, Locks, &c. Awarded First Order of Merit for Fire and Burglar Proof Safes (Gold Medal); and First Order of Merit for Bank Door and Lobby (Silver Medal).

Until the discovery in the year 1840 by the late Thomas and William Milner (the predecessors of Milner's Safe Company Limited) of an arrangement for resisting fire through the medium of a process of

non-conduction and evaporation, no effectual means existed for securing books, papers, and other valuable records from the casualty of fire.

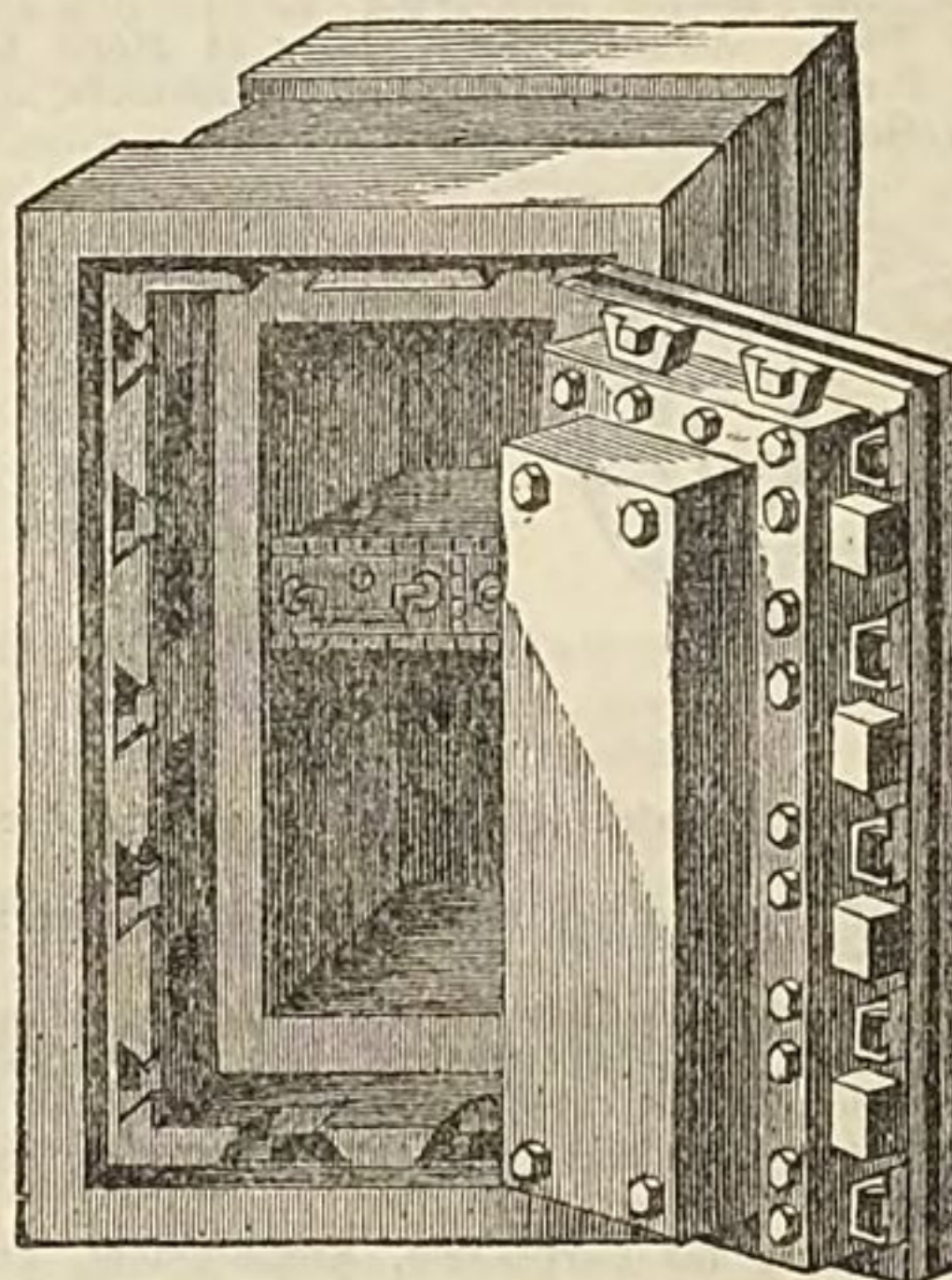


The peculiar superiority of this arrangement consists in filling the chambers of Safes and Chests with the most perfect non-conductors of heat, in which are distributed materials evolving moisture on the application of heat, which pervades the whole interior of the Safe and its contents with steam when exposed to fire, keeping down the temperature at or under that of boiling water or steam, viz., 212 deg. Fahrenheit, in which books or papers will not burn. Without this neutralising protection no Safe can resist the fire.

In Public Trials made by the Liverpool Polytechnic Society, the contents of other Safes (which depended upon dry anhydrous materials) were destroyed by the side of Milner's Safes, which remained uninjured in the same fire: and in hundreds of other instances they have preserved valuable books, documents, and securities from destruction in the most severe fires.

The name of Milner has been associated for nearly a century with the perfecting of Fire and Thief resisting depositories.

Milner's Safe Company are the largest makers in the world of Banker's Bullion Safes, Strong Rooms, Doors and Safes of all descriptions. The principal Banks, Public Offices, and Merchants in Great Britain and the Colonies are using them. Foreign Governments and Commercial houses abroad are also very largely supplied with Milner's manufactures, which include Locks for all purposes—house doors, hotels, public buildings, prisons, asylums, &c., in suites, with master keys to pass any number; also Locks for all cabinet purposes, railway carriages, &c.; Fire Resisting Boxes, for the protection of deeds, &c., in lawyers' offices and private houses; Safes for business purposes, for safe custody against fire; Safes to resist Fire and Thieves; Safes for gold dust, bullion, and precious stones, of strength to meet various degrees of risk; Doors for fireproof rooms; Doors and Ventilating Gates for bankers' bullion vaults and



strong rooms; Iron and Steel Strong Rooms, with Doors and Ventilating Gates attached, specially designed for erection abroad; Safe Deposits, consisting of large Iron and Steel Rooms, subdivided into convenient compartments, fitted throughout with small Safes (or integers) which are let out to renters at a fixed charge per annum; each Safe having two locks, one under the absolute control of the renter, the other securing the renter's key-hole, and accessible only to the lessor's key, thus effecting double security.

The Great National Safe Deposit in London was fitted with safes—more than 5000 in number—by the Exhibitors.

A large Safe, as exhibited, constructed entirely of heavy wrought iron boiler plates, intersected throughout by hardened drill-proof steel, and weighing 250 tons, has lately been completed by Milner's for the Liverpool Safe Deposit Company. It is divided into five compartments, one for the keeping of cash-boxes deposited at night and withdrawn during the day, two fitted with 1400 small Safes, ranging in sizes from 4½ inches by 5½ inches by 1 foot 8 inches, to 2 feet and 2 feet by 1 foot 8 inches, and let at rentals varying from £1 1s. to £6 per annum; and the remaining compartments are devoted to the custody of deed boxes, jewel cases, plate safes, and other valuables.

The rich mining districts of South America are for the most part supplied with Milner's Bullion Rooms and Safes, as exhibited, ingeniously constructed in sections for transport on the backs of mules over the passes of the Andes to the distant mines.

The Exhibit consisted principally of Safes in general use in mercantile offices and banks, and not of Safes designed to meet any extraordinary risk.

The agents for Milner's Safe Company at Melbourne are Messrs. Gibbs, Bright and Co.

Pringle, A. T., & Co., Edinburgh.—Wire and wire netting.

Shotts Iron Co., The, Glasgow.—Specimens of Shotts "Ordinary," "Bessemer," "Forge," "Mottled," and "Hematite" pig iron.

Shropshire Iron Co. Limited, Wellington.—Drawn annealed fencing wire, rolled fencing and other wires, &c.

Sicker Safe & Strong Room Co. Limited, Birmingham.—Fire and burglar proof safes.

Smith, F., & Co., Halifax.—Iron wire, galvanised wire, telegraph and bottling wire.

Spear & Jackson, Aetna Works, Sheffield; and 225 Elizabeth-street, Melbourne.—Steel; Saws; Files; Mining, Quarrying, Engineering and other Tools. Awarded First Order of Merit for Edge Tools, Saws, Forks, Engineers' Hammers, and Tools (Gold Medal).



The Collection exhibited by Messrs. Spear & Jackson included:—

Steel of every shape and size, suitable for all purposes;

Saws of all kinds—Circular, Mill, Cross-cut, Hand, and Tenon, all Machine Ground, and of the finest temper and quality;

Files of all sizes and shapes, for Engineers, Saw Mills, and other uses;

Edge Tools for Carpenters, Shipbuilders, and Engineers;

Mining, Quarrying, and Railroad Tools;

Tanners' and Curriers' Tools;

Polished Steel Hay, Manure, and Digging Forks;

Steel Spades, Shovels, Hoes, Rakes;

Steel Mould Boards for Ploughs;

Sections, Knives, and Cutters for Mowing and Reaping Machines;

Chaff Cutters, &c.

Steel Company of Scotland, Limited. Chief Offices:—150 Hope-street, Glasgow; Works: Hallside, Newton, near Glasgow, and Blockairn, Glasgow.—Steel manufactured by the Siemens' process. Awarded First Order of Merit for Iron and Steel (Gold Medal.)

The mild Steel Plates, exhibited, are employed for Marine, Locomotive, and Stationary Boilers; Steel Plates, Angles, Bulbs, Tee Bulbs, and Bars of all kinds, being supplied to the British Admiralty and various Continental Governments, for Shipbuilding, &c.; for Suspension and other Bridge work, a special Steel of high tensile strength and elongation is manufactured.

The manufactures exhibited, in addition to the various kinds above-mentioned, include Steel Rails of all sections, Home, Foreign, and Colonial, from 10 to 100 lbs. per yard; Steel Forgings of all kinds; also Steel Castings of every description, including Pinions, Wheels, Hydraulic Cylinders, Propeller Blades, &c.

Thomas, S., & Sons, Redditch.—Needles for hand sewing, sewing-machine, packing, sail-making, netting, upholsterers, and surgeons.

Thompson, J., & Co., Kendal.—Swedish iron wire, card clothing for woollen carding engines.

Turner, R., & Sons, Redditch.—Needles of all descriptions, brass and steel pins.

Turton, Brothers, & Matthews, Steel File and Spring Works, Wentworth-street; and Neepsend Spring Works, Neepsend and Bath Forge, Penistone Road, Sheffield.—Steel, Files, Hammers, Engineers' and Contractors' Tools; Railway Conical and Volute Springs. Timmis' Patent Unequal Section Springs. Awarded First Order of Merit for Steel (Gold Medal); First Order of Merit for Edge Tools, Files, Hammers, and Timmis' Springs (Gold Medal); and First Order of Merit for Axle Arms (Bronze Medal).

TRADE **TB & M** MARK.

The Collection exhibited by Messrs. Turton, Brothers, and Matthews included—Steel of various Sizes and Shapes, suitable for Engineers, Miners, Contractors, and others; Files from the largest to the smallest sizes, and of different shapes and cuts for Engineers and Brassfounders; Hammers used by Engineers, Smiths, and Boiler Makers, and in Quarries; Mill Picks and Engineers' Tools, &c.; Conical and Volute Buffer Springs. The Collection also included Timmis' Patent Unequal Section Spiral and Conical Springs, of which the Exhibitors are the Sole Makers.

At the Sydney International Exhibition Messrs. Turton, Brothers, and Matthews were awarded a First Prize, ranking as Gold Medal.

The Australian Agents of the Firm are—for Sydney, Mr. T. B. Linley, 553 George-street; for Melbourne, Mr. B. C. Burstall, 64 Flinders Lane, West.

Vickers, Sons & Co. Limited, Sheffield.—Steel bells, dredging plant, &c.

Walker, W. E. & R. G., Dudley.—Galvanised sheet iron, galvanised chains, anchors, and other manufactures.

Weiller, J., & Co., London.—Marble monuments, specimens of Italian marble.

West Cumberland Iron and Steel Company, Limited, Workington.—Materials used and Products obtained in the Manufacture of Bessemer Pig Iron, *Spiegeleisen*, Steel Rails, Plates, and Steel Castings. Awarded First Order of Merit for Manufactured Iron and Steel (Gold Medal); and First Order of Merit for Steel Rails and Plates (Gold Medal).

Every branch of the manufacture of the articles as now exhibited is carried on under the strictest scientific supervision, and excellency of quality is the chief aim. The Works of the Company are admirably situated for producing the Finest Pig Iron, Steel Rails and Plates, and for exporting these cheaply and expeditiously. They possess the advantage of being on the Sea Coast, and yet within a few miles of the Cleator Iron Ore District, from which the finest ores in the world, for Bessemer Steel making, are obtained. They have a private railway to the Workington Dock, where steamers of 1000 tons burden can be loaded in a very short time.

The Company possess large Collieries within three miles of the Works, whence they derive their supply of coal and a certain portion of the coke used at the Blast Furnaces. The Iron and Steel Works consist of six Blast Furnaces seventy feet high, capable of turning out 500 tons of Bessemer Pig Iron per furnace per week; a

Bessemer converting establishment with four seven-ton converters, two Steel Rail Mills (one of these being nearly the finest of its kind in the world, and capable of rolling 1600 tons of heavy steel rails per week, in lengths up to eighty feet, if necessary), two very fine 15-ton Siemen-Martin Furnaces for Making soft and special Steel, and two Plate Mills. These latter have lately been engaged in rolling steel plates for the British Admiralty Corvettes. The material used for this purpose is of marvellous quality, surpassing the famous Low Moor Iron in all its properties, and yet being very much cheaper. It is in consequence extensively used by the first boiler makers in the kingdom for boilers of all classes.

Mr. Kirkaldy has tested some of these Steel Plates with the following results:—Tensile Strain, 29 tons per square inch; Elongation, 30 per cent.

Every Plate is tested by plunging a red-hot strip into cold water, and then doubling it up under the hammer.

A stronger class of Steel is being used for girders, whereby greater spans can be built, and with less weight of material than when iron is used, while a higher degree of safety is ensured.

At the recent Sydney Exhibition a First-Class Award was obtained by the Company, Gold Medals having been previously awarded to them at the International Exhibitions of Cape Town (South Africa), 1877, and Paris, 1878, and the highest Prize at Philadelphia, 1876.

Whitecross Wire Co., Warrington.—Oval, Samson, and round fencing wires, and wire netting.

Woodfield, W., & Sons, Redditch.—Needles for hand-sewing and sewing-machines.

BRITISH INDIA.

MADRAS EXHIBITS.

Class 17.—Cheap and Fancy Furniture.
Deschamps & Co., Madras.—Large cabinet, in rosewood and carved sandalwood.

Class 21.—Carpets, Tapestry, and other Stuffs for Furniture.

Madras Government.—Mats made of the bamboo, rattan, coloured grass, screwpine, Palmyra palm, and wild date palm.

Palghat, Malabar District.—Coloured grass mats.

R. Hurry Row, Tanjore.—Coloured grass mats.

The Nizam of Hyderabad.—Bamboo and tadput rugs, gunny bag for sacking, warangal cotton carpets, and kus-kus door-blinds.

Class 25.—Bronzes and various Art Castings and Repousse Work.

Madras Government.—Plain and chased brass lamps, chemboos, goglets, trays, &c.; brass chemboos, inlaid with copper and silver; copper chemboos and trays; copper chemboos and trays, inlaid with silver; and native brass comb, limeholder, and mango-shaped bottle (old).

N. Sankunni Wariyar.—Brass chemboo, cup and spoon; betel-nut set.

Class 28.—Perfumery.

The Nizam of Hyderabad.—Attar.

Class 29.—Fancy Articles in Sandalwood and Ivory, Basket-work, &c.

G. Chinna Veeranna, Vizagapatam.—Native combs, bracelets, solitaires, ivory baskets; book slides, blotting books, boxes, glove boxes, &c., made of bison horn; and sandalwood card-cases, book slides, &c.

Madras Government.—Boxes and other articles, made of the leaves of the Palmyra palm.

Tiffin basket (West's pattern), made at the Madras Friend-in-need Society's workshop.

Liquor-case, trunk, cruet-stand, key-basket.

Class 30.—Textile Fabrics, Clothing and Accessories.

Grimes, G. D.—Cotton drill, made by prisoners in Central Gaol, Cannanore; cotton drill.

Class 36.—Lace, Net, Embroidery, and Trim-mings.

Madras Government.—Table covers, with embroidery; cushion covers, doilies; embroidery in muslin, with beetles' wings; muslin puggeries, with embroidered ends.

Class 38.—Native Costumes for both Sexes.

Madras Government.—Native women's cloths, palampores, Madras handkerchiefs.

Class 39.—Silver Jewellery.

Grimes, G. D., Cannanore.—Silver salt-cellars and spoons, puzzle bracelets, plain and spring bangles.

Class 43.—Products of Cultivation, Pith, &c.

Madras Government.—Raw pith; pith bottle-cover, lined with zinc; pith hats, covered and uncovered.

Class 44.—Products of Fishing, Fish Oils.

Madras Government.—Shark, swordfish, sardine, and catfish oil.

Class 45.—Agricultural Products, not used for Food; Fibres.

Barter, C. H.—Cigars.

Croysdale & Co., Madras.—Indigo, various.

Eaton, C. W., & Co.—Raw tobacco, prepared tobacco for seamen; "Eaton's Express," and other cigars.

Madras Government.—

Dukhni, sun, and bowstring hemp.

Musk mallow, country mallow, bastard cedar, Isora corylifolia, mudar, plantain, pineapple, Palmyra, American and great aloe, and Sansevieria fibres.

Laccadive, Kollum, Quilandry, Kapud, Murad, Calicut, Thala Kolathur, and Madras (bazaar sample) coir.

Lamp oil, castor, and gingelly seeds.

Castor, Bassia, ground nut, gingelly, lamp and cocoanut oil.

Tobacco, first, second, and third sorts.

Dawson's Havannah and Lunkah-shaped cigars; Manila, Havannah, barrel, and Dindigul-shaped cigars.

Turmeric, kamela, chay root, myrabolans, sappan-wood, and red-wood.

Nizam of Hyderabad, The.—Dukhni hemp, indigo, safflower, &c.

Neelamagum, Pillay & Co.—Prepared tobacco, various kinds; cigars of different makers.

Roberts & Co.—Tobacco, various kinds; cigars of different makers.

Class 46.—Chemical and Pharmaceutical Products.

Madras Government.—Cinchona—natural, mossed, and renewed bark; cassia, senna, jalap root, taraxacum, Indian hemp; nux vomica and croton seeds.]

Class 47.—Dyed Threads.

Nizam of Hyderabad, The.—Red and blue twist.

Class 48.—Leather and Tanned and Dyed Skins.
N. Sooboo Pillay & Co., Madras.—Tanned sheep and goat skins, coloured and uncoloured.

Class 67.—Cereals and Pulses.

R. Hurry Row, Tanjore.—Paddy, kar, &c. (various)
W. F. Dique, Tindivanam.—Paddy, rice, millet; kaudai-cunny, sawmay, &c., with and without husk.
Madras Government.—Tapioca, arrowroot.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Avenue Estate.—Orange and broken pekoe, souchong and green teas.
Balmadies Estate.—Plantation coffee, in parchment; peaberry and plantation coffee (classes C, B, A).
Chowdikadu Estate.—Plantation and peaberry coffee.
Cootamundra Estate.—Plantation coffee, in parchment; peaberry coffee and plantation coffee (classes C, B, and A).
Eliza Estate.—Plantation coffee, in parchment; peaberry and plantation coffee (classes C, B, A).
Ellembellary Estate.—Plantation coffee, in parchment; peaberry coffee and plantation coffee (classes C, B, A).
Fairlands Estate.—Plantation coffee, in parchment; and plantation coffee (class B).
Glendale Estate.—Orange and flowery pekoe, and congou teas.
Glenvans Estate.—Plantation coffee, in parchment; peaberry and plantation coffee (classes C, B, A).
Goatfel Estate.—Peaberry coffee and plantation coffee (classes C, B, A).
Hallacarey Estate.—Plantation coffee, in parchment; peaberry and plantation coffee (classes C, B, A).
Hilgrove Estate.—Plantation coffee, in parchment; peaberry and plantation coffee (classes C, B, A).
Hoveton Gardens Estate.—Orange pekoe tea.
Inglewood Estate.—Plantation coffee, in parchment; peaberry and plantation coffee (classes C, B, A).
Kodanaad Estate.—Pekoe, orange and flowery pekoe, souchong, congou, hyson, and young hyson teas.
Liddelsdale Estate.—Pekoe and souchong teas.
Madras Government.—Tamarind, ajowan, coriander, chillies, pepper, ginger; Palmyra sugar candy and jaggery; refined cane, raw cane, white cane sugar, &c.
Nedimbaley Estate.—Plantation coffee, in parchment; peaberry and plantation coffee (classes C, B, A).
Perindotty Estate.—Tea.
Seaforth Estate.—Plantation coffee, in parchment; peaberry and plantation coffee (classes C, B, A).
Stanes & Co.—Produce of several estates mixed; plantation coffee, in parchment; peaberry and plantation coffee (classes C, B, A).
Stanes, W. H., Coonoor.—Specimen of coffee plant in blossom and in fruit, prepared in a concentrated solution of salt; coffee seed; photographs of the Colacumbay Estate.
Sussex Estate.—Plantation coffee, in cherry and parchment; peaberry coffee and plantation coffee (classes A and B).
Tilly Estate.—Plantation coffee, in parchment; peaberry and plantation coffee (classes C, B, A).
Vencatachellum, P., Madras.—
Mango and lime pickle; mixed, sliced, hot, sweet, and tender bamboo pickle, in oil and vinegar.
Bengal, Madras, mango, lime, prawn, tamarind, chow-chow, Cashmere, Hyderabad, and Delhi sweet chutneys; preserved tamarinds.
Cayenne, Tapp's, Nepaul, and ground pepper.
Madras curry-powder and paste, mulligatawny paste, jams, jellies.
Waverley Estate.—Plantation coffee, in parchment; peaberry and plantation coffee (classes C, B, A).

BOMBAY EXHIBITS.**Class 15.—Mathematical and Philosophical Instruments.**

Hormusjee Sorabjee Poonaghur, Bombay.—Box of various coins.

Class 17.—Cheap and Fancy Furniture.

Bombay Committee.—Carved blackwood and teak cabinet.
Jaffer, Sulliman & Co.—Chairs, couches, tables, &c., of carved blackwood.
Watson & Co., Bombay.—Carved blackwood tea-table, couch, cabinet, chairs, and other furniture.

Class 20.—Pottery.

Perozshaw Pottery Works.—Earthenware.
Terry, G. W., Bombay School of Arts.—Specimens of pottery.

Class 21.—Carpets, Tapestry, and other Stuffs for Furniture.

Jaffer, Sulliman & Co.—Four Persian carpets.
Superintendent Tanna Gaol.—Carpets, window-hangings, diaper, and various manufactured cloths.
Superintendent Yerroda Central Gaol.—Woollen carpets.

Class 24.—Goldsmiths' and Silversmiths' Work.

Cursetjee, Nusserwanjee & Co., Ahmadnagar.—Silver-ware, chased and repoussé.
Jaffer, Sulliman & Co.—Cutch silver-ware, chased and repoussé work.
Watson & Co., Bombay.—Silver-ware, in Cutch, chased, and repoussé work.

Class 25.—Bronzes and various Art Castings and Repousse Work.

Cursetjee, Nusserwanjee & Co., Ahmadnagar.—Collection of brass-ware.
Grant, Mrs. C.—Artistic and fancy articles.

Class 29.—Leather-work, Fancy Articles, and Basket-work.

Bombay Committee.—Fancy articles; box of ivory from the State of Junaghud.
Cursetjee, Nusserwanjee & Co., Ahmadnagar.—Ivory-ware, pith models.
Jaffer, Sulliman & Co.—Collection fancy articles, in sandalwood, ebony, and ivory.
Jamsetjee Shapoorjee.—Collection fancy articles, in sandalwood and ebony.
Pestonjee Merwanjee.—Collection fancy articles, in sandalwood, &c.
Superintendent Yerroda Central Gaol.—Cane-work baskets, menu-frames, and folding brackets.
Watson & Co., Bombay.—Collection of inlaid work, comprising desks, book-racks, card-trays, &c.

Class 30.—Cotton Thread and Fabrics.

Ahmadnagar Municipality.—Cotton cloth.
Manockjee Petit Manufacturing Co., The.—Samples cotton cloths and hose, merino and silk hose, and cotton yarns.
Morarjee Goculdass Spinning and Weaving Co.—Cotton cloths, cotton yarns.
New Colaba Co.'s Spinning and Weaving Mills.—Cotton cloth and yarn.
New Great Eastern Spinning and Weaving Co., The.—Samples cotton cloth and yarn.

Class 34.—Silk and Silk Fabrics.

Ahmadnagar Municipality.—Four pieces silk.
Bombay Committee.—Surat hand-made cloth, of various fabrics, for bodices, caps, coats for children, &c.

Class 38.—Clothing for both Sexes.

Admadnagar Municipality.—Native shoes.
Bombay Committee.—Surat turbans and clothing of various kinds, made by hand.
Morarjee Goculdass Spinning and Weaving Co.—Men's underclothing.

Class 39.—Jewellery and Precious Stones.
Ahmadnagar Municipality.—Native ornaments.
Bombay Committee.—Ornaments and jewellery used by Hindus.

Class 40.—Portable Weapons and Hunting and Shooting Equipments.

Bombay Committee.—Decorative arms used by Hindus.
Jaffer, Sulliman & Co.—Decorative arms, &c.

Class 42.—Toys.
Bombay Committee.—Toys.

Class 45.—Agricultural Products, not used for Food.

Ahmadnagar Municipality.—Collection of seeds and grains.

Bombay Committee.—Nine bales of cotton, bag kuppas, seeds of oleaginous plants, myrabolans, nuts, and opium.

Heerjeebhoy Hormusjee Shroff.—Madder-root or munjeet, coir yarns, Dewgudy and Jubbul-poor hemp; Ghatty gum, clean and unclean.

Class 46.—Chemical and Pharmaceutical Products.

Dossabhoy Bejunjee Motiwalla.—Packet phials of Motiwalla's cough and dysentery pills.

Class 67.—Cereals, Farinaceous Products, and Products derived from them.

State of Jamnuggur.—Specimens of various edible grains.

Class 71.—Vegetables and Fruit.
Heerjeebhoy Hormusjee Shroff.—Wet dates.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Cursetjee Nusserwanjee, Ahmadnagar.—Indian condiments.

Framjee Nowrojee.—Indian condiments.

Heerjeebhoy Hormusjee Shroff.—Dry ginger, tussur silk, pistachio nuts, and spices.

Maju, M., & Co.—Indian tea.

Morton & Co., Bombay.—Indian tea.

Shapoorjee Framjee Wyeed.—Indian condiments.

BENGAL EXHIBITS.

Class 9.—Printing, Books, &c.
Walker, Major-General J. T., R.E., F.R.S.—Surveyor-General.—Maps, plans, charts, &c., of the survey of India, on various scales.

Walker, Major-General J. T., R.E., F.R.S.—Photo-zincographic representation of maps, plans, &c., of the survey of India.

Class 13.—Musical Instruments.
Rajah Surendra Mohur Tagore, Calcutta.—Collection of Indian musical instruments.

Class 20.—Pottery.
Bengal Sub-Committee.—Series of specimens of Sewan pottery.

Class 21.—Carpets, Tapestry, and other Stuffs for Furniture.

Bengal Sub-Committee.—Machlandi or mosnud mats, Calcutta grass matting; sitalpati mats, from Sylhet.

Superintendent Bagulpore Gaol.—Carpet.
Superintendent Hazaribagh Gaol.—Matting of aloe fibre.

Superintendent Midnapore Gaol.—Country coir matting, Maldive matting, and coir-brush mats.

Class 24.—Goldsmiths' and Silversmiths' Work.
Bengal Sub-Committee.—Bidri-ware, silver and niello work, from Purneah; silver filagree Cuttack-work.

Bundaban, Sonas, Cuttack.—Silver filagree Cuttack-work.

Government of India.—Gold-mounted elephants' tusks and kharan; gold cup, stand, and cover; silver golab posh and salver.

Nando Jethi Sonar.—Silver filagree Cuttack-work.
Rapil Sonar.—Silver filagree Cuttack-work.

Class 29.—Leather-work, Fancy Articles, and Basket-work.

Bengal Sub-Committee.—Ivory carvings, inlaid cabinet-ware, carved and turned ebony, straw-work, and lacquered-ware.

Class 30.—Cotton Thread and Fabrics.
Bengal Sub-Committee.—Muslins (plain and embroidered), from Dacca and Santipore.

Babu Madun Mohun Basak.—Dacca muslins.
Gopal Chundra Pal, Calcutta.—Dacca muslins.
Jhoomuck Shaw & Co., Dinapore.—Tablecloths and towels.

Superintendent Midnapore Gaol.—Cotton purdahs (curtains) and towels.

Class 31.—Thread and Fabrics of Flax, Hemp, &c.
Ahmuty & Co., Calcutta.—Cordage and coir yarn.
Barnagore Jute Factory Co., Calcutta.—Gunny bags.

Bengal Sub-Committee.—Cordage, &c.
Calcutta Mills, Agents of.—Jute fabrics, gunny cloth and bags.

Clive Jute Mills, Calcutta.—Gunny bags.
Ganges Manufacturing Co., Calcutta.—Jute twine, gunny bags, and cloths.

Howrah Mills Co., Calcutta.—Gunny bags.
Kamarhatty Co., Calcutta.—Gunny bags.

Superintendent Alipore Gaol.—Jute fabrics, gunny cloth and bags.

Superintendent Chittagong Gaol.—Coir yarn.
Superintendent Hazaribagh Gaol.—Aloe-fibre rope.

Class 33.—Woollen Yarn and Fabrics.
Baddri Das, Calcutta.—Woollen cloth.
Hazari Mal & Ram Chand, Calcutta.—Woollen cloth.

Class 34.—Silk and Silk Fabrics.
Bengal Sub-Committee.—Silk cloth.
Government of India.—Silk, Cashmere shawls.
Hazari Mal & Ram Chand, Calcutta.—Rampore chadurs.
Jhoomuck Shaw & Co., Dinapore.—Mixed silk and cotton fabrics.

Class 35.—Shawls.
Buddree Das, Chajjoo Das, & Keshee Das, Calcutta.—Cashmere and other woollen shawls, silk shawls, and scarfs.

Class 36.—Lace, Net, Embroidery, and Trim-mings.

Bengal Sub-Committee.—Chikan embroidery in silk and cotton, on muslin, and on corah and tussur silk wearing apparel.

Buddree Das, Calcutta.—Dressing-gowns, shawls.
Hazari Mal & Ram Chand, Calcutta.—Dressing-gowns, shawls, &c.

Sheik Golab, Calcutta.—Dressing-gowns, shawls.

Class 39.—Jewellery and Precious Stones.
Bengal Sub-Committee.—Silver filagree-work, from Cuttack; ornaments and nicknacks.
Giridar Lall, Calcutta.—Jewellery—gold, silver, and precious stones.

Government of India.—Nepaul necklace.

Class 43.—Products of the Cultivation of Forests, and of the Trades appertaining thereto.

Gamble, J. S., Bengal.—109 specimen blocks of Indian woods; samples of lac resin, india-rubber, and other forest produce.

Haworth & Co., Calcutta.—Lac resin.

Class 45.—Agricultural Products, not used for Food.

Ahmuty & Co.—Jute and other fibres.
Babu Mudden Mohun Bysack, Dacca.—Indigo, lac-dye, and safflower.

Bagram, J. G., & Co., Calcutta.—Castor oil.
 Bengal Sub-Committee.—Jute and other fibres ;
 indigo, lac-dye, and safflower.
 Calcutta Mills, and several of the Bengal
 Gaols.—Various oils.
 Carritt & Co.—Castor oil.
 Superintendent Chittagong Gaol.—Samples
 of jute and other fibres.
 Superintendent of Hazaribagh Gaol.—
 Samples of jute and other fibres.

Class 46.—Chemical and Pharmaceutical Products.

King, Dr. G., Calcutta.—Cinchona bark, cinchona
 febrifuge.
 Rai Kanny Loll Dey Bahadur, Calcutta.—
 Collection of indigenous drugs.

Class 54.—Apparatus and Processes used in Spinning and Rope-making.

Ahmuty & Co.—Rope and cordage, from the
 Shalimar Ropery.

Class 67.—Cereals, Farinaceous Products, and Products derived from them.

Bengal Sub-Committee.—Rice and other food
 grains.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Collector of Customs, Rangoon.—Tea.
 Grindlay & Co.—Tea.
 Newson, W., & Co.—Indian condiments, pickles,
 and preserves, in great variety.
 Turner, Morrison & Co.—Cossipore sugar.

NORTH - WEST PROVINCES EXHIBITS.

Class 17.—Cheap and Fancy Furniture.

Goslett & Co., Meerut.—Shelves (quadruple set),
 show-case, and 12 Bareilly chairs.

Class 18.—Upholsterers' and Decorators' Work.
 Kanti Chandra Mukarji, Jaipur. — Jaipur
 marble articles.

Class 19.—Crystal, Glass, and Stained Glass.
 Department of Agriculture, &c.—Crude glass,
 manufactured from earth.

Class 20.—Pottery.

Department of Agriculture, &c.—Azamgarh
 pottery.

Class 21.—Carpets, Tapestry, and other Stuffs for Furniture.

Department of Agriculture.—Persian, cotton,
 and woollen carpets, mattings, rugs, &c.
 Superintendent Bareilly District Gaol.
 —Bareilly munj mattings.
 Lang, G., Collector, Aligarh. — Aligarh cotton
 carpets (daris).

Class 24.—Goldsmiths' and Silversmiths' Work.

Hoey, W., Lucknow.—Lucknow wares—scent-bowl,
 mustard-pot, &c.
 Mir Imdad, Ali, C.S.I., Moradabad.—Moradabad
 inlaid metal-ware, Benares brass-ware.

Class 25.—Bronzes and various Art Castings and Repousse Work.

Saunders, J., & Co., Benares.—Benares brass-
 ware.

Class 28.—Perfumery.

Department of Agriculture.—Jaunpur ittar,
 or otto of roses.
 Goslett & Co., Meerut.—Soap.

Class 29.—Leather-work, Fancy Articles, and Basket-work.

Department of Agriculture, &c.—Inlaid marble
 work, ornamental stoneware, inlaid wood work,
 card-boxes, &c.
 Government of the North-West Provinces,
 The.—Fancy articles, and Mainpuri wood (inlaid).
 Lala Nathu Ram, Sculptor, Agra.—Marble boxes,
 tables, plates, inkstands, &c.
 M'Conaghey, M., Collector of Banda.—Agate and
 jasper knife-handles, sleeve buttons, &c.

Class 30.—Cotton Thread and Fabrics.

Elgin Mills Co., The, Cawnpore.—Striped and
 chequered cotton.
 Government of the N. W. P. & Oude.—Grey
 Cashmere, without border; selected Cashmere mate-
 rials, gabroon, carpets, cotton fabrics, silk mixed
 with cotton, &c.
 Muir Mills Co., The, Cawnpore.—American drill,
 officer's drill, T. cloth, sheets, faish ; yarn, dyed
 green; drill suits, &c.
 Superintendent of Central Prison, The,
 Agra.—Carpet.

Class 34.—Silk and Silk Fabrics.

Department of Agriculture.—Azamgarh silk ;
 white, grey, brown, and other satins.

Class 35.—Shawls.

Saunders, J., & Co., Benares.—Shawls, scarfs,
 and sundry embroidered articles.
 Osborne, F. C., & Co., Delhi.—Shawls, scarfs, and
 embroidered goods.

**Class 36.—Lace, Net, Embroidery, and Trim-
 mings.**

Babu Brojo Mohan Banarji.—Jhānsi peacock
 feather trimmings.
 Bulbadar, S., Dap, Benares.—Case kinkhāb gold
 and silver embroidery.
 Deputy Commissioner of Lalitpur.—Lalitpur
 cloth, pagri, and handkerchiefs.
 Hoey, W., Lucknow.—Lucknow lace, embroidery,
 &c.

Class 38.—Clothing for both Sexes.

Department of Agriculture. — Loodhiana
 gentlemen's suits and cloths.

Class 39.—Jewellery and Precious Stones.

Hoey, W., Lucknow.—Lucknow jewellery.
 Saunders, J., & Co., Benares.—Indian gold and
 silver jewellery.

**Class 41.—Travelling Apparatus and Camp
 Equipage.**

Elgin Mills, Cawnpore.—Single-poled tent, Cash-
 mere tent, shooting pal, and Kabul regulation tent.
 Muir Mills, Cawnpore.—Double fly tent, and Swiss
 cottage tent.

Class 42.—Toys.

Bhawani Das, Lucknow.—Elephant and marriage
 party.
 Hoey, W., Lucknow.—Clay models of fruits and
 vegetables, clay figures of native servants, trades-
 men, carriages, &c.

**Class 43.—Products of the Cultivation of Forests
 and of the Trades appertaining thereto.**

Department of Agriculture.—Specimens of
 dyes obtained from various kinds of forest trees.

**Class 45.—Agricultural Products, not used for
 Food.**

Begg, Sutherland & Co., Calcutta.—Specimens
 of tobacco—black cavendish cake, cut mixture, and
 cigars.
 Department of Agriculture.—Raw fibres,
 oil, oil seeds, oil cakes, dyeing substances.

**Class 46.—Chemical and Pharmaceutical Pro-
 ducts.**

Department of Agriculture.—Khari salt, red
 earth—impure sulphate of soda, sajji, saltpetre,
 borax, wax, lac, &c.

Lazarus, E. J., & Co., Benares. — Essence of chiretta, nim, and hemidesmus.

Class 47.—Chemical Processes for Bleaching, Dyeing, Printing, and Dressing.

Department of Agriculture. — Farukhabad chintzes, quilts, wrappers, bed cloth, mattress, Kanauj chintzes, wrappers, &c.

Hoey, W., Lucknow. — Printed Lucknow chintzes, samples of.

Class 48.—Leather and Skins.

Department of Agriculture. — Gorakhpur leather manufactures—Jae namaz or prayer carpet, mantelpiece, border, bags.

Class 61.—Harness and Saddlery.

Foy Brothers, Cawnpore. — Horse harness, set of single and of double.

Class 67.—Cereals, Farinaceous Products, and Products derived from them.

Department of Agriculture. — Wheat, rice, barley, millet, Indian corn, peas, pulse, &c.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Carew & Co., Sháhjahánpur. — Sugar, loaf and crystals.

Craik, W., Kumaun. — Tea.

Craw, W. — Tea, from the Doonagiree plantation, Kumaun.

Department of Agriculture, &c. — Red pepper, ginger, cummin, coriander seed, rock salt, lake salt.

Kousanie Co., Kumaun. — Teas (various).

Lines Factory, Kumaun. — Teas (various).

Thompson & Mylne, Bihia. — Sugars (various).

Class 73.—Fermented Drinks.

Carew & Co., Sháhjahánpur. — Rum.

Kousanie Co., Kumaun. — Rum.

Murree Brewery Co. — Ale and porter.

Naini Tal Brewery Co. — Ale and stout.

PUNJAUB EXHIBITS.

Class 17.—Cheap and Fancy Furniture.

Punjaub Government — The School of Design — Lahore. — Show case, of carved deodar-wood.

Class 20.—Pottery.

Bhola, Delhi. — Porcelain.

Mahomed Haslum, Mooltan. — Faience.

Shir Khan, Peshawar. — Faience.

Class 21.—Carpets, Tapestry, and other Stuffs for Furniture.

Davee Sahai, Amritsur. — Amritsur carpets.

Dus Mohamed, Mooltan. — Mooltan carpets.

Nisbet Industrial School, Kasur. — Carpet.

Salig Ram, Amritsur. — Amritsur carpet.

Superintendent Central Gaol, Lahore. — Lahore carpet.

Turkestan, From. — Khoten silk carpet.

Class 24.—Goldsmiths' and Silversmiths' Work.

Kutuli Das & Sharf Das, Sialkot. — Koftgari, or damascened work.

Vasna Mal, Mooltan. — Enamels.

Class 25.—Bronzes and various Art Castings and Repousse Work.

Salig Ram, Amritsur. — Teapots, large and small; tea-urn, or samovar; cups.

Class 29.—Leather-work, Fancy Articles, and Basket-work.

Abdulla Bahadur & Wabbs Buksh, Pakpattan. — Pakpattan lacquered-ware.

Amir Buksh Wassus & Ahmed, Pakpattan. — Pakpattan lacquered-ware.

Atta Bussi Golam Hosein, Hushiarpur. — Inlaid wood.

Davee Sahai, Amritsur. — Ivory carvings.

Dumroo Moochi, Bilaspur. — Leatherwork.

Kunhya Lal, Hushiarpur. — Inlaid wood.

Mohaddin Patti, Kasur. — Hookah, brass and leather.

Punjaub Government, The. — Cashmere papier-mâché fancy articles.

Class 33.—Woollen Yarn and Fabrics.

Salig Ram, Amritsur. — Woollen fabrics.

Class 34.—Silk and Silk Fabrics.

Dulbag Rai, Bahawalpur. — Silks.

Toshakhana, Bahawalpur. — Silks.

Virbhan, Bahawalpur. — Silks.

Wali Mohamed, Bahawalpur. — Silks.

Class 35.—Shawls.

Davee Sahai, Amritsur. — Cashmere shawls.

Class 36.—Lace, Net, Embroidery, and Trim-mings.

Cashmere Relief Workshop. — Cashmere silk embroidery.

Manick Chand, Delhi. — Gold embroidery.

Mooti Ram, Delhi. — Gold embroidery.

Punjaub Government. — Phulkaris silk embroidery.

Wali Mohamed, Lahore. — Gold embroidery.

Class 38.—Clothing for both Sexes.

Baden-Powell, B. H. — Grass shoes.

Lula Gagur Mal. — Putto Cashmere suits.

Class 39.—Jewellery and Precious Stones.

Lula Soohag Chand, Delhi. — Gold and silver bracelets, brooch, lockets, necklaces, &c.

Sadoo Ram, Amritsur. — Imitation jewellery — necklaces, bracelets, armlets, bangles, rings, &c.

Class 43.—Products of the Cultivation of Forests and of the Trades appertaining thereto.

Baden-Powell, B. H. — Hazel, oak, ash, box, maple, pine, common yew, elm, cedar, walnut, olive, and other forest woods.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Baree Tea Co. Limited. — Tea.

Bejnath. — Teas—orange pekoe, pekoe souchong, souchong, young hyson, hyson, gunpowder, and oolong.

Bhoti. — Teas—orange pekoe, pekoe souchong, souchong, young hyson, gunpowder, imperial gunpowder, and oolong.

Bundlu & Burroo, Brai Tea Estate. — Teas—pekoe souchong, congou, and bohea.

Dharmasala Tea Estate. — Tea.

Kand Bari Tea Estate. — Tea.

Kullait Tea Estate. — Tea.

Loongul Tea Estate. — Teas — pekoe, orange pekoe, souchong, congou, and bohea.

Nassau Tea Co. — Teas—pekoe, white tip, orange pekoe, souchong, congou, young hyson, hyson, and gunpowder.

Punar Tea Estate. — Tea.

CENTRAL PROVINCES EXHIBITS.

Class 20.—Pottery.

Curator Nagpur Museum. — Vases, teapots, plates, basins, and encaustic tiles, from Burhanpur.

Class 30.—Cotton Thread and Fabrics.

Empress Mills, Nagpur. — Stout cotton cloth, suitable for bush wear; strong cotton yarn.

Class 34.—Silk and Silk Fabrics.

Curator Nagpur Museum. — Silk skeins, tasar silk, silk thread from the cocoons.

Class 35.—Shawls.

Buddree Das, Chajjoo Das, & Keshee Das, Calcutta.—Cashmere and other woollen shawls, silk shawls, and scarfs.

Class 38.—Clothing for both Sexes.

Government Central Provinces.—Embroidered turbans, coats, &c.; mantillas, turbans, &c.

Curator Nagpur Museum.—Dopatas and dhotar joris, worn by native gentlemen; lady's cotton dress and sari, worn by native women.

Class 39.—Jewellery and Precious Stones.

Curator Nagpur Museum.—Moss agates, agate and jasper knife-handles, and grass-stone agate paper-knives.

Class 43.—Products of the Cultivation of Forests and of the Trades appertaining thereto.

Government Central Provinces.—Lac, in various stages of manufacture; myrabolan or terminalia galls, resin, &c.

Class 44.—Products of Hunting, Shooting, Fishing, and Spontaneous Products.

Government Central Provinces.—Indian wild arrowroot, chirongi, seeds of edible water-lily, mhowa flowers and seed, jujube fruit, cotton, gum, Bengal quince.

Class 45.—Agricultural Products, not used for Food.

Curator Nagpur Museum.—Grass oil, cotton, and salad fruit.

Government Central Provinces.—Gingelly, morinda, madder, castor oil seed, linseed, cotton, safflower, turmeric; cocoons of the tasar moth.

Class 67.—Cereals, Farinaceous Products, and Products derived from them.

Government Central Provinces.—Wheat, grain, millet, pigeon pea, Indian corn, rice, ginger, &c.; masur (this is the lentil from which Revalenta Arabica is made).

Class 82.—Mining and Metallurgy.

Curator Nagpur Museum.—

Steatite paper-weights, slabs, &c.; kurand stone, brass water-pots, lotas, cattle-bells, plates, &c.

Coal, sandstone from various quarries, limestone, steatite or soapstone, marble, &c.

Carbonate of lime, oxide of iron, manganese and iron ore, fire-clay, &c.

Government Central Provinces.—Iron ore, fire-clay, basalt slate.

BERAR EXHIBITS.**Class 30.—Cotton Thread and Fabrics.**

Indian Government.—

Superior and inferior kuppas, with cleaned cotton, and seed extracted therefrom.

"Jerry" kuppas, with cleaned cotton, and seed extracted therefrom.

"American seed" kuppas, with cleaned cotton, and seed extracted therefrom.

Best "bunny" and "jerry" cotton.

Ellichpore "jerry" kuppas, cotton, seed, and pods.

Bellattee cotton kuppas, seed, and pods.

Native chaska, or cotton gin.

Standard samples Oomraottee cotton.

BURMAH EXHIBITS.**Class 45.—Agricultural Products, not used for Food.**

Government of British Burmah.—Arakan tobacco, in leaf and manufactured.

Class 64.—Apparatus and Processes of Civil Engineering, Public Works, and Architecture.

Government of British Burmah.—Burmese thain, or chapel, of carved teak-wood.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Government of British Burmah.—Arakan tea.

CAPE COLONY—SOUTH AFRICA.**Class 7.—Organisation and Appliances for Secondary Instruction.**

Bailey & Kerr, Cape Town.—The herrowograph, for teaching drawing.

Class 10.—Stationery, Bookbinding, Painting and Drawing Materials.

Bailey & Kerr, Cape Town.—The crayon copier, an improved pencil; inks; artists' cases, in tin, of water-colours and pencils.

Class 15.—Mathematical and Philosophical Instruments.

Bailey & Kerr, Cape Town.—The optic marvel.

Class 19.—Crystal Glass and Stained Glass.

Bailey & Kerr, Cape Town.—Specimens of vitre-manie, stained and illuminated glass.

Class 27.—Apparatus and Processes for Heating and Lighting.

Bailey & Kerr, Cape Town.—Improved safety lamps, for farmers and household use.

Class 29.—Leather-work, Fancy Articles, and Basket-work.

Bailey & Kerr, Cape Town.—Improved wire brushes for toilet use, various; snuff-boxes.

Class 40.—Portable Weapons, and Hunting and Shooting Equipments.

Bailey & Kerr, Cape Town.—Zulu and African weapons—assegais, spears, shield, and native ornaments.

Class 42.—Toys.

Bailey & Kerr, Cape Town.—Instructive games, the gyroscope, &c.

Class 44.—Products of Hunting, Shooting, Fishing, and Spontaneous Products. Machines and Instruments connected therewith.

Bailey & Kerr, Cape Town.—Furs and skins of African animals; roi, spring, and other bok skins.

Bailey & Kerr.—South African ostrich feathers.

Chirnside, A., & King-Hall, H.—Mounted hunting trophies of elephants, lions, antelopes, and other animals killed in Central Africa.

Douglass, A., Graham Town.—Ostrich feathers, from birds artificially hatched and reared by exhibitor.

Class 58.—Apparatus and Processes used in Paper-making, Dyeing, and Printing.

Bailey & Kerr, Cape Town.—Improved apparatus for letter-press printing and printing fabrics, with types and ink.

Class 64.—Apparatus and Processes of Civil Engineering, Public Works, and Architecture.

Bailey & Kerr.—Armenian cement; improved portable implement for plumbers, glaziers, painters, and for tool-chests.

Class 73.—Fermented Drinks.

Bosenberg, S., Cape Town.—Cognac brandy.

Cloete, J. P.—South African wines—Constantia, pontac, sherry, &c.

Dunn, J.—South African wines.

Green, E. K.—South African wines.

Class 75.—Conservatories and Horticultural Apparatus.

Bailey & Kerr.—Improved hydropult, for cleansing and watering plants and extinguishing fires; horticultural tools; diagrams of lawn fountains.

CEYLON EXHIBITS.

Class 9.—Printing, Books.

Alwis, Rev. C. de.—Singhalese Handbook, in Roman characters; History of the Island of Lanka. **Ceylon Government.**—

"The Government Gazette," in Singhalese and in Tamil.

The Blue Book of 1878; Administration Reports.

Sessional Papers; Ceylon Civil List.

Catalogue of Plants in the Royal Botanic Gardens.

Public Works Department Rules; Postal Guide.

Government Printer's Almanac, 1880.

Four newspapers printed and published in Jaffna.

Ferguson, A. M. & J.—Ceylon publications—books and newspapers; Ferguson's Ceylon Handbook and Directory, Coffee Planter's Manual, &c.

Government Agent, Kandy.—Two Singhalese Ola Books, each R25.00.

Class 10.—Stationery, Bookbinding, Painting and Drawing Materials.

Government Agent, Kandy.—Twenty-five styles; two wooden book-covers.

Class 11.—General Application of the Arts of Drawing and Modelling.

Gomes, J. B., Mudaliyar.—Eighteen carved figures, representing different natives of Ceylon.

Class 12.—Photographic Proofs and Apparatus.

Douffet, L. E.—Two frames of photographs, illustrative of coffee planting.

Ferguson, A. M.—Photographs, illustrative of the cultivation and manufacture of the leading products of Ceylon.

Fernando, W. A.—Photographs, illustrative of the preparation and packing of plumbago at his stores.

Hay, C. A.—Photographic views of Windsor Forest Tea Estate.

Lawton, J., & Co.—Album, containing photographic views of Pollonnuara and of Anuradhapura; photographic pictures.

Skeen, W. L. H., & Co.—Photographic views of Ceylon scenery, buildings, ruins, &c.

Class 15.—Mathematical and Philosophical Instruments.

De Silva, S. P.—Collection of Ceylon coins.

Gomes, J. B., Mudaliyar.—Ceylon coins.

Government Agent, Kandy.—Collection of Ceylon coins, old and recent.

Class 16.—Maps, and Geographical and Cosmographical Apparatus.

Dixon, A. C.—Geological map of Ceylon.

Ferguson, A. M. & J.—Map of Ceylon, map of railway from Colombo to Kandy; map of hill-country of Ceylon, showing plantations.

Class 17.—Cheap and Fancy Furniture.

Andris, Don, Galle.—Carved ebony lounging chairs. **Ceylon Government.**—Lacquered chairs and tea-poy.

De Silva, D. F.—Carved ebony stand, pair of ebony couches, elaborately carved.

Government Agent, Kandy.—Corner stands, table of flowered satinwood and elephant's bones, and two small tables of wood and elephant's bones.

Perera, A., Arachchi.—Revolving tea-poy, made of different varieties of wood.

Rajapakse, Don S., Galle.—Wall brackets.

Sumps, A. C.—Rattan lounging chair and tea-poy.

Class 18.—Upholsterers' and Decorators' Work.

Government Agent, Kandy.—Kandyan pillow-cases and counterpane.

Class 20.—Pottery.

Ceylon Government.—Goglets and tumblers (clay).

Dias, H.—Goglets and tobacco jar (clay).

Dessanayeke, A. P. A., Mudaliyar, of Panadura.—Box of Ceylon earthenware.

Class 21.—Carpets, Tapestry, and other Stuffs for Furniture.

Fernando, G., Mudaliyar.—Rush mats.

Government Agent, Kandy.—Mats.

Halpe, Ratamahatmeya.—Rush mats.

Jayatillike, S., Mudaliyar.—Fibre mats.

Palipane, P. B., Ratamahatmeya.—Fibre mat.

Sumps, A. C.—Cair matting and door-rug.

Tennekoon, C. E., Ratamahatmeya.—Rush mats.

Class 23.—Cutlery.

Ceylon Government.—Two knives, hand-knife (models).

Dissanaike, Mudaliyar.—Singhalese country knife.

Fernando, G., Mudaliyar.—Model Singhalese waist-knife.

Halpe, Ratamahatmeya.—Three silver-mounted Kandyan knives.

Class 24.—Goldsmiths' and Silversmiths' Work.

Ceylon Government.—Silver carved box, cigar-case, &c.

De Silva, D. F.—Four silver napkin-rings.

Gomes, J. B., Mudaliyar.—Carved silver box.

Government Agent, Kandy.—Silver chunam and other boxes, carved silver box (very old).

Halpe, Ratamahatmeya.—Silver carved box.

Palipane, P. B., Ratamahatmeya.—Silver carved boxes.

Class 25.—Bronzes and various Art Castings and Repousse Work.

Ceylon Government.—Brass lamp and chain, spittoon, betel-stand, and copper chembu.

Government Agent, Kandy.—Copper shrine.

Class 28.—Perfumery.

Hormusjee, K.—King cocoanut hair oil.

Class 29.—Leather-work, Fancy Articles, and Basket-work.

Anganitta Cornelia Tillekeratne Lama-etna.—Satinwood jewel-box, mounted with silver.

Attanagalle Koralla.—Ivory rose-water sprinkler.

Aturaliya Welandugodage Subehami.—Ebony, porcupine-quill, and calamander desks, carved.

Bentara Yahatugoda Badalge Tepanis Hami.—Ivory elephants.

De Costa, H. V. C.—Watch-cases, ebony ink-stand.

De Silva, D. F., Galle.—Tortoise-shell boxes, ivory elephants, book-markers, elephants' teeth knife-handles, dressing-combs, &c.

Dewapuratne Jayashinghe, Don A.—Jewel-box, carved cocoanut-shell.

Government Agent, Kandy.—Betel stand and box; ivory images, chains, boxes, &c.; copper chunam box.

Hami, B. Y. B., Baban, Galle.—Ebony boxes, carved and inlaid.

Hormusjee, K.—Kalutara baskets, cigar-cases, tampachees, purses, caps, betel bags, &c.

Palipane, P. B., Ratamahatmeya.—Wooden lacquered betel-stand.

Rankalasge, A. M.—Porcupine-quill workbox and cashbox, cocoanut-wood workbox.

Weerajayasundara Goonewardene, Don N. de S.—Pair ivory carved elephants, carved calamander workbox, and ebony cigar-case.

Wijenarayane, Don A.—Tortoise-shell, ebony, and porcupine-quill goods.

Wijesundara Abeynarayane, Don C.—Straw baskets, and porcupine-quill boxes.

Werajayawardene Goonawardena, Don D. de S.—Ivory elephants.

Werasiri, D. J.—Dressing-combs, cigar-cases, paper-cutters, shoe-horns, ladies' and gentlemen's card-cases, tortoise-shell box and penholders, ivory elephants, &c.

Class 30.—Cotton Thread and Fabrics.
Kalugalle, Ratemahatmeya.—Sample of spun cotton and cotton cloth.

Class 36.—Lace, Net, Embroidery, and Trim-mings.
Dowbiggin, Rev. R. T.—Lace and embroidery.
Ederewire Patabendige Thenishami.—Fourteen pieces of lace, various lengths.
Wijenarayane, Don A., Galle.—Six pieces of lace.

Class 37.—Hosiery and Underclothing, and Accessories of Clothing.

Andris, Don B. G.—Cocoanut and palmyra walking-sticks.
De Silva, D. F.—Gold and silver-mounted belts.
Dissanaike, D. A. T., Mudaliyar.—Fans, with ivory handles.
Government Agent, Kandy.—Kandyan fan, walking-sticks, and whips.
Wijenarayane, Don A.—Palmyra and ebony carved walking-sticks.

Class 38.—Clothing for both Sexes.
Ceylon Government.—Seven pieces of chettadai, of assorted colours; Kandyan cloth and hats.

Class 39.—Jewellery and Precious Stones.
Bentara Yahatugoda Tepanishami.—Ivory elephants, for Albert chains.
De Silva, D. F.—Gold and tortoise-shell jewellery, set with pearls, rubies, sapphires, &c.
Dewarpura Wemalaratna Jayesinghe, Don G.—Gold hairpin, set with Ceylon diamonds (zircon); pair earrings, set with emeralds.
Gomes, J. B., Mudaliyar.—Precious stones, cut and uncut.
Government Agent, Kandy.—Silver crosses, bangles, necklaces, earrings, and rings; ancient Kandyan silver chain, made of old Kandyan coins.
Ratnawibusane, Don S.—Earrings and brooch, set with rubies and pearls; cocoanut gold brooch.
Ratnawibusane, Don C.—Gold locket and chain; rings, set with rubies and emeralds; puzzling rings.
Tillekeratne, H. D., Mudaliyar.—Gold article, called "Hallabontique," used for cardamoms and spices by Singhalese ladies.
Tillekeratne Dissanaike, A. P., Mudaliyar.—Gold purse and scent-ball.
Werasiri, D. J.—Tortoise-shell ornaments, consisting of necklaces, earrings, brooches, bangles, chains, lockets, crosses, &c.; rings, set with rubies, and pearls and rubies; silver gown-holder.
Wijenarayane, Don A.—Tortoise-shell ornaments, consisting of necklace, earrings, brooch, studs, bangles, &c.; blue sapphire rings; silver bead necklaces.
Wijesundara Abeynarayane, Don C.—Silver puzzle-rings and earrings.

Class 40.—Portable Weapons, and Hunting and Shooting Equipments.

Fernando, G., Mudaliyar.—Model crease (poinard).
Government Agent, Kandy.—Spear-heads, axes, Kandyan knives, &c.
Palipane, P. B., Ratemahatmeya.—Dessawa's waist-knife, mounted with gold, above 200 years old; Ratemohotta's waist-knife and stylus, mounted with silver (ancient); Lekama's waist-knife, brass-mounted (ancient).

Class 42.—Toys.
Ceylon Government.—Jaffna and Galle wooden lacquered toys.

Class 43.—Products of the Cultivation of Forests and of the Trades appertaining thereto.

Andris, Don B. G.—Specimens of Ceylon woods.
Ceylon Government.—Specimens of Ceylon woods; the palmyra, its products and their uses; basket work.

Dissanaike, H. L., Mudaliyar.—Specimens of Ceylon woods, mats, baskets, spoon-holder; talipot umbrella, fan, and book.

Drieberg, J. F.—Cinnamon sticks, leaves, and bark.
Gabriel, F., Mudaliyar.—Specimens of Ceylon woods.

Government Agent, Kandy.—Kekuna and gingelly seed.

Leechman, G. & W.—Complete collection of the products of the cocoanut palm, consisting of the plant, fruit, leaves, &c., and articles manufactured from them.

Martos, R. H.—Specimens of Ceylon woods.

Peiries, H. B.—Specimens of Ceylon woods.

Subehami, A. W.—Specimens of Ceylon woods.

Wijenarayane, Don A.—Specimens of Ceylon woods.

Class 44.—Products of Hunting, Shooting, Fishing, and Spontaneous Products. Machines and Instruments connected therewith.

Ceylon Government.—Marine and pearl-oyster shells.

De Domenico, Antonia.—Black coral-tree, fished off the coast of Ceylon.

Delmege, Reid & Co.—Bundle deer-horns.

Government Agent, Kandy.—Net for fishing, net to catch hares, elephant tusks.

William, J. P.—Seven carpenter birds' nests.

Class 45.—Agricultural Products, not used for Food.

Ceylon Government.—Tobacco; cocoanut, gingelly, margosa, and kruppall oils; resin.

Ceylon Government (from the Royal Botanic Gardens).—Grains, oils, resins, starches, fibres, ropes, mats, medicines, condiments, and products of the areca and talipot palms; bamboos, domestic articles made from bamboos, rattans, &c.

Delmege, Reid & Co.—Tobacco; cocoanut, citronella, and cinnamon bark oils; fibres.

Dissanaike, D. A. T., Mudaliyar.—Beeswax, cashew gum, fibres; cocoanut, gingelly, margosa, castra, kekuna, and other oils.

Drieberg, J. F.—Cinnamon bark and leaf oil.

Government Agent, Kandy.—Dumbara cigars, saffron, areca nuts, gamboge, and cotton.

Ingleton, J. K., Rajawelle Estate.—Dumbara cigars, cheroots, &c.

Mackwoods & Co.—Fibre from the neyandoo plant.

Sumps, A. C.—Rattan tiffin basket; paper, work, and hanging flower baskets; bamboo, rattan, rattan fibre, and kus-kus tats.

William, J. P.—Tobacco, cocoanuts, halnuts, cashew gum, madunut seed and plant, &c.

Class 46.—Chemical and Pharmaceutical Products.

Cameron, E. H.—Cinchona bark.

Lee, Hedges & Co.—Cinchona succirubra bark—quill.

Mackwoods & Co.—Cinchona succirubra bark.

Owen, T. C., Oonoogalla Estate.—Cinchona bark.

Class 49.—Agricultural Implements and Processes used in the Cultivation of Fields and Forests.

Ceylon Government.—Agricultural implements—mamoti, plough, yoke, ulavaran, axe, grass-cutter, sickle, and spade; models of double bullock-cart, hackery, and hand-cart.

Dissanaike, D. A. T., Mudaliyar.—Models of agricultural implements—mamoti, plough, goad, &c.

Drieberg, J. F.—Specimens of implements used in the preparation of cinnamon—catty (bill-hook), peeling-knife, scraping-knife.

Fernando, G., Mudaliyar.—Models of agricultural implements—adze, mamoti, catty or billhook, axe, reaping-knife.

Government Agent, Kandy.—Bill-hooks, grass-cutter, adzes, mamoties and smoothing-board. Agricultural implements.

Harmanis Dias.—Models of hackery and double bullock-cart.

Class 50.—Apparatus and Processes used in Agricultural Works, and in Works for the Preparation of Food.

Ceylon Government.—Models of grindstone and roller; cocoanut-scraper; arecanut, vegetable, and fish cutter.

Fernando, G., Mudaliyar.—Arecanut-cutter.

Government Agent, Kandy.—Cocoanut-scrappers, arecanut-cutters, pestle and mortar, &c.

Halpe, Ratamahatmeya.—Arecanut-cutter.

Harmanis Dias.—Model chekoo (oil mill).

Palipane, P. B., Ratamahatmeya.—Silver and brass mounted arecanut-cutter.

Class 54.—Apparatus and Processes used in Spinning and Rope-making.

Delmege, Reid & Co.—Cair rope, various sizes, from $\frac{1}{2}$ in. to 6 in.

Government Agent, Kandy.—Kandyan rope (waramadu).

Class 55.—Apparatus and Processes used in Weaving.

Government Agent, Kandy.—Kandyan spindle and weaver's comb.

Class 61.—Harness and Saddlery.

Government Agent, Kandy.—Set of reins for bullocks.

Class 64.—Apparatus and Processes of Civil Engineering, Public Works, and Architecture.

Fernando, G., Mudaliyar.—Chisel.

Kyle, J., Engineer, Colombo Breakwater.—Specimen block of concrete used in construction, with plan and description of breakwater.

Mackwoods & Co.—Specimen of block-building cabook (laterite).

Class 65.—Navigation and Life-saving.

Ceylon Government.—Model of Pada boat, double and single canoe, kattamaran, outrigger boat, and fishing boats.

Class 67.—Cereals, Farinaceous Products, and Products derived from them.

Braine, C. F., Becherton Estate.—Sample of arrow-root.

Ceylon Government.—Native grains, paddy.

Dissanaike, D. A. T., Mudaliyar.—Paddy, rice, dry grain, and pulse.

Government Agent, Kandy.—Paddy, dry grain, and rice.

Hallugalle, Ratamahatmeya.—Eleven kinds of native grains.

Wattagama, Ratamahatmeya.—Ten specimens of paddy.

Class 69.—Fatty Substances used as Food. Milk and Eggs.

Government Agent, Kandy.—Cow ghee.

Class 71.—Vegetables and Fruit.

Ceylon Government.—Arrowroot tubers.

Government Agent, Kandy.—Jack seeds and beans.

Class 72.—Condiments and Stimulants, Sugar and Confectionery. Tea.

Armitage Bros.—Plantation coffee.

Armstrong, C. S., Rookwood Estate.—Tea—pekoe, pekoe souchong, souchong, congou, broken pekoe, broken tea.

Baker, J. F.—Plantation coffee, from Yakkabendakelle Estate.

Bawa, A.—Ceylon patent cafe-au-lait, or coffee and milk condensed; prepared coffee, milk, and sugar, compressed into cakes.

Ceylon Co.—Tea—pekoe souchong; flowery, silvery, orange, souchong, and broken pekoe; hyson, young hyson, pekoe tips, &c.

Colombo Commercial Co.—Plantation coffee.

Courthope, Bosanquet & Co.—Plantation coffee—parchment, No. 0 elephant beans, No. 1 bulk size, peaberry.

Dasanayaka, H. L., Mudaliyar.—Pepper, mustard, bird pepper, kitul syrup, and bee honey.

Delmege, Reid & Co.—Plantation coffee, the produce of Langdale, Kintyre, and Tillicoultry Estates; cinnamon.

De Silva, H.—Cinnamon.

Drieberg, J. F., Ekelle Estate.—Cinnamon, and cinnamon chips.

Government Agent, Kandy.—Cinnamon, mustard, and pepper.

Haldane & Anton.—Samples of Calsay Estate tea.

Hay, C. A., Windsor Forest Estate.—Tea—orange pekoe, pekoe dust, broken pekoe, pekoe, pekoe souchong, souchong; coffee.

Henty, J., & Co.—Samples of pekoe, pekoe souchong, and souchong.

Jayetilleke, S., Mudaliyar.—Vanilla.

Keir, Dundas & Co.—Samples of Loolecondara Estate tea.

Lee, Hedges & Co.—Tea—pekoe, pekoe souchong, flowery pekoe, broken pekoe, souchong, unassorted; cinnamon; coffee.

Leechman, G. & W.—Tea, from Agrawatte Estate—orange pekoe, pekoe souchong, souchong, congou.

Mackwoods & Co.—Tea, from Galbodde Estate—pekoe tea, souchong, pekoe souchong, broken pekoe, pekoe dust, orange pekoe; coffee.

Nelson, J.—Sample of tea prepared from the plants in the Royal Botanic Gardens.

Owen, T. C., Ooonoonagalla Estate.—Coffee, tea, and cardamoms.

Rajapakse, S., Mudaliyar.—Cinnamon.

Shand, P. R.—Tea—pekoe, pekoe souchong.

Shand, C.—Thirty samples tea.

Smith, J. Arbuthnot, Lonurdy.—Sample Ceylon-grown tea.

Stork, A. J.—Tea, from Blackstone and Oodawariana Estates.

Voller, H. G.—Vanilla.

Whittall & Co.—Plantation coffee.

Class 76.—Flowers and Ornamental Plants.

Ferguson, W.—Specimens of tree ferns (*Hemitelia Walkeria*, Hooker), with rough ends of fronds removed.

Class 82.—Mining and Metallurgy.

Armitage Brothers.—Plumbago lumps, chips, and dust.

Ceylon Government.—Plumbago; sample of a species of plumbago, generally found in the beds of rivers.

Delmege, Reid & Co.—Plumbago.

Dixon, A. C.—Specimens, illustrative of the geology and mineralogy of Ceylon.

Ferguson, W.—Breccia, or Pamunugama stone.

Ferguson, W.—White sand, Cinnamon Gardens, Colombo, natural state, and washed and freed from vegetable matter; black sand, mouth of Kelani River, natural state, and washed and freed from vegetable matter.

Fernando, W. A., Mudaliyar.—Plumbago of the first quality.

Government Agent, Kandy.—Plumbago.

Lee, Hedges & Co.—Plumbago—lump, dust.

Palipane, P. B., Ratamahatmeya.—Plumbago, from the Kurunegala district.

JAMAICA EXHIBITS.

Class 43.—Products of the Cultivation of Forests and of the Trades appertaining thereto.
Reid, W., Kingston.—Walking-sticks.

Class 45.—Agricultural Products, not used for Food.
Desnoux, P., & Co., Kingston.—Cigars.

Class 72.—Condiments and Stimulants, Sugar, and Confectionery.

Davidson, J., Sherwood Forest.—Coffee.
Desnoux, P., & Co., Kingston.—Sugar.

Class 73.—Fermented Drinks.
Desnoux, P., & Co., Kingston.—Rum.

MAURITIUS EXHIBITS.

Class 9.—Printing, Books.

Daruty, J. E.—“Recherches sur le Rite Ecossais.”
Duverge, F., Port Louis.—“Les Mauriciennes.”
L'homme, P. C.—“La Femme, ses Droits et ses Devoirs.”
Leal, C. H.—“Un Voyage à la Réunion.”
Royal Society of Arts and Sciences of Mauritius.—Transactions.

Class 10.—Stationery, Bookbinding, Painting and Drawing Materials.

Atisse, F.—Bookbinding—Transactions of the Royal Society of Arts and Sciences of Mauritius.

Class 16.—Maps, and Geographical and Cosmographical Apparatus.

Crook, W.—Plan of “Curepipe” village, plan of Port Victoria; maps of Grand Port, Flacq, Plaines Wilhems, Moka, Port Louis, &c.

Class 43.—Products of the Cultivation of Forests and of the Trades appertaining thereto.

Bewsher, C. E.—Nuts of the coco-de-mer.
Cantley, N., Mauritius.—Indigenous woods.
Dupont, E.—Brooms, made of the flowering spikes of the fataque grass; chairs, of colonial wood and vacoa leaves; rice-cleaners.
Fressanges, Dr.—Fruits of coco-de-mer palm, and cigar-case made from the leaves.
Galdemar, A.—Flower-baskets, peduncles of the raphia palm.
Joly, J.—Fruit spikes of the raphia palm.

Class 44.—Products of Hunting, Shooting, Fishing, and Spontaneous Products. Machines and Instruments connected therewith.

Caze, S.—Two hen's eggs—curious case of malformation.
Chery Moutou.—Collection of corals.
M'Millan, Miss.—Fancy seaweed articles.
Robillard, V. de.—Collection of natural history.

Class 45.—Agricultural Products, not used for Food.

Cantley, N.—Collection of fibres.
Chazal, E. de. Rouge Terre.—Bale aloe fibre.
Coura, Mdme.—Snuff, tobacco, cigars.
Desjardin, N.—Beeswax.
Le Magasin general des Huiles.—Cocoanut oil.
Levieux, X.—Samples raphia fibres.
Vally, C.—Cigars.

Class 49.—Agricultural Implements and Processes used in the Cultivation of Fields and Forests.

Mauritius Sanitary Improvement Co.—Manure for sugar-cane and beetroot.

Class 54.—Apparatus and Processes used in Spinning and Rope-making.

D'Unienville, P., Plaisance—Rope manufactured with aloe fibre.

Class 64.—Apparatus and Processes of Civil Engineering, Public Works, and Architecture.

Chery Moutou.—Lime, and specimens of the madreporo from which lime is obtained.
Lebourg, C.—Plan of patented stone tramway.

Class 67.—Cereals, Farinaceous Products, and Products derived from them.

Baya, E.—Manioc fecula, the only starch used in the colony.
Bonieux, N.—Tapioca.
Pipon, Mrs. C., Chaumière.—Arrowroot fecula, prepared without indigo blue.

Class 68.—Bread and Pastry.
Riviere, E.—Biscuits.

Class 70.—Meat and Fish.
Tonnet, N.—Spiced beef (humps).

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Arnaud, A., & Co.—Sugar, molasses.
Aubin, G., Constance.—Sugar (white crystals and yellow counter).
Barlow & Co., Plaisance.—Sugar (yellow-brown crystals, yellow brewers' crystals, and grey counter).
Baudon, A., Versailles.—Vanilla.
Bourguignon, Mrs., Mon Songe.—White crystals and yellow counter.
Bouton, H.—Vanilla.
Chastellier, P. L., & Co., Bar-le-Duc.—Sugar.
Chazal, E. de, & Co., Mon Rocher.—Sugar.
Chauvin, Mrs. H., Mon Trésor.—Sugar, syrup.
Chere Lienard, C.—Vanilla.
Collin, A.—Coffee.
Constantin, D., Bénarès.—Sugar, for jams and preserves; large white crystals, small crystals, second boiling syrup, best brewers'.
Courtois Bros., Vallée du Pouce.—Coffee.
D'Arifat Bros., Constance.—Sugar.
D'Arifat Bros., La Gaité.—Sugar.
D'Emmerez, —, Grand-Donjon Estate.—Cloves.
Desjardins, N.—Honey.
Desvaux Bros., Côte d'Or.—Sugar.
Gilmer & Co., Deux Bras.—Sugar (white crystals, white grainy crystal, yellow counter).
Geroday, B., Bon Accueil.—Sugar.
Gourrage & Co., Beau Séjour.—Sugar (greyish white, semi-crystals, grey counter).
Hardy, H., Minissy.—Sugar (first and second boilings).
Heirs, Pellegrin & Co., Constance.—Sugar.
Heirs, Rouge, Gemen.—Vanilla.
Hewetson, W., St. Julien.—Sugar (grey counter).
Jamin, Mrs., Savana.—Sugar.
Jolly, J., Solitude.—Vanilla.
Jeffray, A., & Co., Argy.—Sugar.
Jeffray, Mrs. C., & Co., Bellevue.—Sugar (light and yellow counters).
Koenig, Mrs. H., Medine.—Sugar (white crystals, grey and yellow counters).
La Flore, M.—Pickles and preserves.
Le Boucher, C., Notre Dame du Bocage.—Vanilla.

Louvet, Nayl & Co., Albion.—Sugar (grey crystallised and grey nondescript syrup).
Mauritius Sugar Estates Co.,
 Astrea.—Sugar (white crystals, Nos. 1 and 2).
 Etoile.—Sugar (white crystals).
 La Rosalie.—Sugar (white crystals and yellow counter).
 Riche Bois.—Sugar (white semi-crystals).
Menage & Desjardins, L'Amitie.—Yellow sugar.
Montocchio Sons, Sans Souci.—Sugar (greyish white, semi-crystals, and grey counter).
Nozaic, A., & Co., Mon Repos.—Sugar (yellow crystals and yellow counter).
Peguillan, J.—Sample vanilla.
Pilot, H. & L., St. Aubin.—Sugar (white, large white, brewing, and large crystals).

Robinson, G., Réunion.—Sugar (white crystals).
Richer, F., Chamarel.—Sugar.
Rohecoute, de A. K., Beau Vallon.—Sugar (brewers', yellow brewers' crystals, grey nondescript grainy).
Samouilhan & Co., Union Park.—Sugar.
Samouilhan & Co., Union Vale.—Sugar.
Senneville & Co., Mon Loisir.—Sugar (white crystals and yellow counter).
Vallet & Co., Joli Bois.—Sugar.

Class 73.—Fermented Drinks.

Baker, S., & Co., Balaclava.—Rum, reduced to 22° for consumption.
Martin, H., Bellevue.—Rum, reduced to 22° for consumption.

STRAITS SETTLEMENTS EXHIBITS.

Class 12.—Photographic Proofs and Apparatus.
Government, The.—Photographs of the Straits Settlements and Malay Peninsula.

Class 13.—Musical Instruments.

Johor, H.H. the Maharajah of, G.C.M.G., K.C.S.I., Johor.—Native musical instruments (rubana, gundang).

Class 15.—Mathematical and Philosophical Instruments.

Selangor, H.H. the Sultan of, Selangor.—Silver money (pahang).

Class 28.—Perfumery.

Fisher, J., Singapore.—Essential oils—citronella, patchouli, nutmeg, mace, pepper; expressed oil of mace.
Hardouin, C., Penang.—Essence of patchouli; oils—citronella, nutmeg, and lemon-grass.

Class 29.—Leather-work, Fancy Articles, and Basket-work.

Swettenham, F. A., Singapore.—Cigarette-case of vegetable fibre, made at Rhio.
Westerhout, J. E., Malacca.—Basket-work, broom-stick baskets.

Class 38.—Clothing for both Sexes.

Inche Mahomed Syed, Singapore.—National costumes, Malay shawl.
Johor, H.H. the Maharajah of, G.C.M.G., K.C.S.I., Johor.—Native costumes, sarongs, shawls.
Rodyk, W., Malacca.—Native shoes.
Swettenham, F. A., Singapore.—Sarongs, Achinese trousers; silk coverlet, 150 years old; silk and gold-thread shawl, 30 years old.
Tan Tek Guan, Malacca.—Native shoes.
Whampoa & Co., Singapore.—Bambu hats, plain and lacquered.

Class 39.—Jewellery and Precious Stones.

Inche Mahomed Syed, Singapore.—Silver belt, gold clasps; necklaces, earrings, brooches.
Lim Teck Hee, Malacca.—Chased copper belt-fasteners (pinding).
Selangor, H.H. the Sultan of, Selangor.—Gold kriss-sabard, embroidery and gold ornaments for the person, gold siri and tobacco-boxes.

Class 40.—Portable Weapons, and Hunting and Shooting Equipments.

Johor, H.H. the Maharajah of, G.C.M.G., K.C.S.I., Johor.—A collection of native arms.
Rodyk, W., Malacca.—Native arms.
Swettenham, F. A., Singapore.—Arms used by Malays, and by natives of Borneo, &c.
Trevenen, N. P., Malacca.—Blow-tubes, arrows.

Class 43.—Products of the Cultivation of Forests and of the Trades appertaining thereto.
Captain China, Selangor.—Specimens of woods.

Government, The, Straits Settlements, Singapore.—Specimens of forest trees, canes, rattans.

Government, The, Perak.—Malay mats.

Guthrie & Co., Singapore.—Rattans—thick indragiri, lootie-jambi, Siak, indragiri, pulai, &c.

Johor, H.H. the Maharajah of, G.C.M.G., K.C.S.I., Johor.—22 specimens of forest trees, mats.

Magalhaens, J. M. R., Penang.—Native woods.

Ong Keng Hoon, Malacca.—Raja's mat, made by Malays; sleeping mats.

Paterson, Simons & Co., Singapore.—Rattans.

Penang Sugar Estate Co. Limited, Penang.—Specimens of woods.

Resident, H.B.M.'s, Selangor.—Specimens of woods.

Tan Tek Guan, Malacca.—Specimens of woods.

Class 44.—Products of Hunting, Shooting, Fishing, and Spontaneous Products. Machines and Instruments connected therewith.

Foo Tye Sin, Penang.—Fish maws, gutta-percha, india-rubber.

Gilfillan, Wood & Co., Singapore.—Vegetable tallow, teal seed, tallow seed.

Government, The, Selangor.—Damar, batu, Mata kuching, daging and matee; gutta, as it exudes from tree; kayu garoo (species of lucerne).

Guthrie & Co., Singapore.—Gums, gutta-percha, india-rubber, teal seed, vegetable tallow seed.

Inche Mahomed Syed, Singapore.—Bird snares.

Koh Seang Tat, Penang.—Fish maws, edible birds' nests, copra.

Onderneming, Deli, Sumatra.—India-rubber.

Paterson, Simons & Co., Singapore.—Gums, gutta-percha, isinglass.

Rolland, J. B., Kesang.—Ornithological collection.

Tan Hoon Guan, Malacca.—Damar mata kuching.

Westerhout, J. E., Malacca.—Damar batu.

Class 45.—Agricultural Products, not used for Food.

Deli & Lang Kat Cigar & Cigarette Co. Limited.—Cigars.

Guthrie & Co., Singapore.—Gambier—Block Java cube No. 1, Rhio cube No. 1.

Koh Seang Tat, Penang.—Refined cocoanut oil.

Onderneming, Deli.—Gambier, tobacco.

Ong Keng Hoon, Malacca.—Gambier.

Read, W. H., Rhio.—Gambier.

Tan Tek Guan, Malacca.—Dye-roots, indigo; oils—gurjon, &c.

Westerhout, J. E., Malacca.—Pineapple fibre.

Class 49.—Agricultural Implements and Processes used in the Cultivation of Fields and Forests.

Trevenen, N. P., Malacca.—Models of Malay ploughs and harrows, reaping-knife.

Westerhout, J. E., Malacca.—Wood-chopper.

Class 50.—Apparatus and Processes used in Agricultural Works.

Resident, H.B.M.'s, Selangor.—Rice-husking machine (kisaran padi).

Class 64.—Apparatus and Processes of Civil Engineering, Public Works, and Architecture.

Captain China, Selangor.—Bricks, flooring and roofing tiles.

Government, The Straits Settlements, Singapore.—Models of Malay houses.

Class 65.—Navigation and Life-saving.

Government, The Straits Settlements, Singapore.—Models of trading junk, a penjajah or Malay boat of two masts, and other vessels.

Johor, H.H. the Maharajah of, G.C.M.G., K.C.S.I., Johor.—Models of native craft, prahu lanun, prahu lanchang, gabing busar.

Class 67.—Cereals, Farinaceous Products, and Products derived from them.

Captain China, Selangor.—Tapioca (flake, pearl, and flour).

Gilfillan, Wood & Co., Singapore.—Tapioca (flake, pearl, and flour), pearl sago, sago flour.

Guthrie & Co., Singapore.—Tapioca (pearl, flake, and flour), sago (pearl and flour), white rice.

Knaggs, W., Singapore.—Tapioca (pearl, flake, and flour).

Koh Seang Tat, Penang.—Rice, paddy.

Lim Tek Hee, Malacca.—Rice, paddy.

Mornay, H. de, Penang.—Tapioca and tapioca flour, from the Malakoff Estate.

Penang Plantation Co., Penang.—Tapioca.

Roberts, E. L., Penang.—Tapioca.

Si Bun Tiong, Sungei Ujong.—Tapioca (pearl, flake, and flour).

Tan Tek Guan, Malacca.—Tapioca (flat, pearl, flour, and husk).

Westerhout, J. E., Malacca.—Tapioca.

Yap Ah Loy, Selangor.—Pearl tapioca.

Class 71.—Vegetables and Fruit.

Bastiani, J., Singapore.—Pineapples preserved without sugar.

Koh Seang Tat, Penang.—Copra.

Westerhout, J. E., Malacca.—Scented yams, sweet potatoes, obi tropong.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Bastiani, J., Singapore.—Pineapples, in syrup; mangosteens, in juice; pineapple syrup.

Brown & Co., Penang.—Sugar, spices.

Favre, C., Singapore.—Pineapples in syrup, pumalo syrup, pineapple syrup, preserves, crystallised fruits.

Foo Tye Sin, Penang.—Black and white pepper.

Gilfillan, Wood & Co., Singapore.—Pepper, black and white; Zanzibar cloves.

Government, The, Sungei Ujong.—Coffee, in parchment; black pepper.

Guthrie & Co., Singapore.—Coffee, white and black pepper, cloves, nutmegs, &c.

Hardouin, C., Penang.—Tea from Bukit Tambu.

Koh Seang Tat, Penang.—Coffee, cloves, nutmegs, mace, Trang white and black pepper.

Penang Sugar Estates Co. Limited, Penang.—Sugar.

Read, W. H., The Hon., Rhio.—Black and white pepper.

Vermont, J. M. B., Penang.—Sugar.

Westerhout, J. E., Malacca.—Seaweed jelly.

Class 73.—Fermented Drinks.

Lamb, J., Penang.—White rum.

Penang Sugar Estates Co. Limited, Penang.—Old and new rum.

Vermont, J. M. B., Penang.—White and coloured rum, rum shrub.

Class 82.—Mining and Metallurgy.

Borneo Co. Limited, Sarawak.—Minerals and ores from the mines at Sarawak, Perak, Salak, and the cinnabar mines at Tegora.

Captain China, Selangor.—Fine tin and sand, coarse tin and quartz, coarse tin, tin ore in sand, tin ore, tin ingots, sample of clay.

Daly, D. D., Selangor.—Tinware—cheese and vegetable dishes, biscuit-boxes, beer mugs, goblets, &c.

Foo Tye Sin, Penang.—Tin ores of Topai, Assam Kumbang, and Kamunting.

Government, The, Perak.—Strata and tin sand, specimens of tin, tin ores, tin ingots, tinware—goblets and trays, mugs with champagne cups.

Lim Teck Hee, Malacca.—Tin ores.

Resident, H.B.M.'s, Selangor.—S mayams alluvial gold, from the gold mines at Pahang, Malay Peninsula.

Si Bun Tiong, Sungoi, Ujong.—Tin ore.

Tan Tek Guan, Malacca.—Clay peculiar to the island of Pulo Opey, used for colouring walls.

Westerhout, J. E., Malacca.—Tin ore.

Whampoa & Co., Singapore.—Tinware.

AUSTRALASIAN COLONIES.

FIJIAN EXHIBITS.

The late period at which the Exhibits from Fiji were received in Melbourne prevented the Compiler of the Fijian Catalogue from attending to the classification of the different products.

Barrack, Capt., Sava Sava Bay.—Turmeric, bird's-eye chillies.

Blatchford & Scott, Nadi.—Hams from crossbred angora goats, maize and white beans.

Boyd, J. A., Waidau, Ovalau.—Edible seaweed.

Busch, A., & Co., Levuka.—Kidney cotton.

Burness, T. F., Raki Raki.—Leaf tobacco, tapioca, peanuts, copra.

Cove, H., Levuka.—Ivory nuts, candlenuts.

Commissioners for Fiji, Levuka.—

Coloured drawings—Wesleyan French Mission House, Lower Rewa; Suva, the new capital; Suva Harbour, &c.

Sulu, full dress of native lady;

Shells, native fan, coral;

Sugar, broken rice;

Kidney cotton, copra.

Dodd, J., Lau Lau, Upper Rewa.—Honolulu cane, aged 10 months.

Duffy, F. H., Levuka.—Photographs of scenery and inhabitants.

Ellis & Jones, Rewa River.—Honolulu cane, aged 7 months.

Fiji Government, Suva.—

Tapa; raw material of native cloth in different stages. Native baskets, native rope, native canoe. Bêche-de-mer, coral. Oil-horn (a native bean), native fan. Native mat, festooned over ceiling of court, all in one piece.

Grass mats, "rotomaha;" taklau mat. Trophy of tapa (native cloth), dyed tapa. Cultivated and uncultivated yams. Bowls for cava. Native washing-basin and dishes.

Cava, green and dried (material from which spirit is made). Sassafras bark, candlenuts in the shell. Fishing-nets and baskets. Native nuts for tanning. Model of native temple made of fibre.

Cocoanut sinnett. Arrowroot, coffee. Fungus, native gum. Native dyes, war-paints, pillows, weapons, costumes and head-dress, water-bottles, vessels for boiling water.

Fisher, F. E., Taviuni.—Arrowroot.

Fraser, M. H., Tai Levu.—Preserved bananas, tapioca, dilonut oil, cocoanut oil.
 Gibbs & Swayne, Vatuboro, Lower Dreketi.—Copra, maize cob, shelled maize.
 Gordon, Sir Arthur.—Native weapons and costumes.
 Harman, Mrs. John.—Picture.
 Hennings, Miss.—Piece of embroidered tapa.
 Hennings, W., Lomo Lomo.—Cotton, pearl shells, cocoanut oil.
 Hill, Captain, Rambir.—Candlenuts, copra, coir.
 Holmes, R. L., Bua.—Maize, arrowroot, coffee, dried ginger, copra.
 Holmes, Mrs. R. L.—Preserved ginger.
 Hulton, H., Taviuni.—Sea-island cotton.
 Joske, P., Wai Dra.—Sugar-cane, aged 13 months; Honolulu cane, aged 10 months.
 Leefe, Hon. R. B., Nanau Island, Viti Levu.—Angora hair (stock originally imported from the Victorian Acclimatisation Society); angora hair, 2nd quality; pearl shells, bananas, cocoanuts, dilonuts.
 Levick, Lomo Lomo.—Copra.
 Mason, Hon. J. E., Taviuni.—Sea-island cotton, cotton-seed, copra, coffee.
 Meaden, J. W.—South Sea Island shells.
 M'Evoy, G., Cicia, Lomo Lomo.—Copra, cotton-seed.
 M'Evoy & Kelsall, Cicia.—Sea-island cotton, cotton in seed.
 M'Ewan & Co., J.—Cigars manufactured in Melbourne from Fijian leaf.
 M'Pherson, E.—Arrowroot.
 Morgan, G., & Co., Levuka.—Dilonut oil.
 Muir Bros., Nandi.—Arrowroot (native), maize, beans, maize-cobs.
 Parr, H. B., Levuka.—Samples of native timber, collected by Jacob Storck, Rewa, consisting of bua, balo, black yasi, balabala, bau, cassia bark, davota, damana, dilo, dakua, dabi, dogo, dakua planks, kau vula, kau solo, koka, kau karo, kau vula; lauci, or candlenut; mountain pine, mula mula, moefi, moli kuru kuru, malamata, mavu, mako, makita; nuganuga, or Christmas tree of Fiji; nui, or cocoanut;

premma, racana, sacau, Tomana terminalia, tavola; tiri, or common mangrove; uto, or bread-fruit tree; vasi, vivi, vure, vutu-ni-vir-kasi, vesi, yasi-dina, yasi-kavika, yao, yarsi vulu.
 Peterson, J. H., Taviuni.—Sea-island cotton, coffee, ground coffee.
 Rewa Plantation Co.—Sugar, rum.
 Ryder Bros., Mango Island.—
 Cotton in pod and seed, sea-island cotton.
 Cotton, showing various stages of manufacture.
 Cocoanut fibre, copra.
 Stalactites, pebbles, samples of soil.
 Lemon grass, from which a beverage is made and drunk like tea.
 Coffee, turmeric, ginger, tapioca.
 Candlenut oil, cocoanut oil, dilonut oil.
 Guano, dried cava.
 Cinnamon, mace, nutmegs.
 Bricks, coral lime.
 Dilonuts, cocoanuts, cultivated yams.
 Limejuice, maize.
 Samples of native timber, viz:—Asi, baca, bau, bread-fruit, bua-bua, damana, dilo, doi, moli, nanui (or cocoanut), nau vau, sandalwood, savui, tavola, vasi, vetau.
 Muslins made from Mango Island cotton.
 Vau bark (used for tying).
 Shand & Crowe, Rewa.—Green ginger.
 Smith, L. S., Rewa.—Sugar, green ginger.
 Spence, F., Levuka.—Collection of ferns.
 Stooks, P., Levuka.—Cava bowls.
 Storck, J., Rewa.—Ground coffee, arrowroot.
 Thomas, W., Wai Manu.—Growing cane, aged 10 months.
 Thomas, G. W., Levuka.—Drawings.
 Thurston, Hon. J. B.—Cocoanut fibre.
 Turner & Edgerley, Nai Vali Vali, Utah.—Native axes (very rare), bricks.
 Veruta Plantation, Rewa River.—Honolulu cane, aged 9 months.
 Waterston, D., Kade Bua.—Sugar, coffee.
 Wilkinson, D., Bua.—Coffee, in parchment.

NEW SOUTH WALES EXHIBITS.

Class 6.—Education of Children, Primary Instruction, Instruction of Adults.

Department of Public Instruction.—Collective exhibit—plans, models, and photographs of public school buildings, samples of pupils' work.
 New South Wales Institute for Deaf, Dumb, and Blind.—Articles made by scholars of the Institute.
 Troughton & Bolton, Sydney.—Improved school-desks and educational apparatus.

Class 8.—Organisation, Methods, and Appliances for Superior Instruction.

Fitzgerald, R. D., Sydney.—Five parts of a work on Australian orchids; 26 plates of same work.

Class 9.—Printing, Books.

Altman, L. J., Sydney.—Music.
 Bailey, C., Sydney.—Model printing press.
 Batson, C., Sydney.—Specimens of printing.
 Drewe, A., Sydney.—Musical compositions.
 Gaden, E. B., Balmain.—Armorial album.
 Gardner, J., Young.—Specimens of coloured printing, printed in one working.
 King, P. G., Tamworth.—Letter-book of Governor King.
 Richards, T., Sydney.—Collective exhibit of books.
 Royal Society of New South Wales.—Journal of the Society and pamphlets.
 Silver, S. W., & Co., Sydney.—Colonial publications and maps for use of tourists and emigrants.

Class 10.—Stationery, Bookbinding, Painting, and Drawing Materials.

Alderson & Sons, Sydney.—Bookbinding leathers—rough and smooth calf, kangaroo, goat, sheep, morocco, Russia hides.

Short, G., Paddington.—Bookbinding.
 Smithers, H., Darlinghurst.—Postage stamps.
 Williams & Murray, Liverpool.—Printing paper, in reams and reels.

Class 14.—Medicine, Hygiene, and Public Relief.

Bottrell, E. H., Sydney.—Electro-galvanic machine and battery.
 Chaim, J., Newtown.—Artificial teeth.
 Guyatt, G., Sydney.—Various surgical instruments and appliances.
 Spencer, J., Sydney.—Mechanical dentistry in gold and vulcanite.

Class 16.—Maps, and Geographical and Cosmographical Apparatus.

Adams, P. F., Sydney.—Maps of New South Wales.
 Butterfield, G., Marrickville.—Astronomical planispheres, &c.
 Department of Mines, Sydney.—Geological sketch map of New South Wales.
 Hunt, G. H., Parramatta.—Mats.
 Searchfield, E., Surrey Hills.—Port Jackson Harbour.

Class 17.—Cheap and Fancy Furniture.

Foster, J., & Sons, Sydney.—Brass and iron bedsteads.
 Hasarts, L., Sydney.—Ebonised gilt sideboard, with oil painting.
 Holterman, B. O., Sydney.—Carved furniture.
 Hudson Bros., Redfern.—Cabinet-work.
 Jones, W., & Son, Glebe.—Pine-wood bookcase, dark oak mounting.
 Wearne, T., Sydney.—Fireproof safes.

Class 18.—Upholsterers' and Decorators' Work.

Doubleday, Miss M., Paddington.—Wax imitation of Parian marble.

Greenhalgh, J., Sydney.—Wood revolving shutters.

Kean, J. A., Sydney.—Table-top, imitation of inlaid wood and stone.

Lawson, J., Sydney.—Drawingroom furniture.

Millson, A., Sydney.—Decorative furniture.

Rowe, T., & Son, Sydney.—Venetian and wire blinds.

Winter, L., Sydney.—Ornamentation, fancy goods in plaster-of-Paris.

Class 19.—Crystal, Glass, and Stained Glass.
Ashwin & Falconer, Sydney.—Circular-headed stained-glass window.

Cornish, J. C., Marrickville.—Bent glass, show-case.
Lyon, Cottier & Co.—Stained-glass windows.

Class 20.—Pottery.

Baldock Bros., Camperdown.—Pottery.

Davis, J., Camperdown.—Terra-cotta work.

Stevens & Kyle, Albury.—Varieties of bricks.

Class 21.—Carpets, Tapestry, and other Stuffs for Furniture.

Alderson & Sons, Sydney.—Coloured morocco leathers, roan bright, hard-grained; enamelled hides, bright and hard-grain.

Read, J. C., Darlinghurst.—Matting, hammocks, network, &c.

Class 23.—Cutlery.

Kerr, E., Sydney.—Improved W. & P. sheep-shears, tool-sharpeners, carbonised steel-cutters, tin-openers, oyster-knives.

Class 24.—Goldsmiths' and Silversmiths' Work.

Bartlett, S., Sydney.—Gold jewellery.

Jones, E., Sydney.—Gold and silver plate, &c.

Joubert, J., Sydney.—Tea and coffee service, presented to exhibitor in 1868.

Lloyd, H. G., Sydney.—Silver goblet, presented to Lieut. Williams, 21st Light Dragoons, by brother officers, 1817.

Roberts, C. J., Chatsworth.—Silver cradle, presented during mayoralty of exhibitor by Municipal Council of Sydney.

Various Exhibitors.—Prize cups, presentation plate, &c.

Class 25.—Bronzes and various Art Castings and Repousse Work.

House Committee Sydney Infirmary.—Brass plate found at foundation.

Smith, R. B., M.P., Sydney.—Model of the statue of Captain Cook.

Class 26.—Clocks and Watches.

Smith, J. M., Sydney.—Watch and clock wheels, bevel wheels.

Class 27.—Apparatus and Processes for Heating and Lighting.

Marshall, A. A., & Co., Sydney.—Gas cocks.

Penson, J. A., Sydney.—Two kerosene sun-lights, kerosene lamp.

Class 29.—Leather-work and Fancy Articles.

Alderson & Sons, Sydney.—Enamelled morocco Gladstone bags, satchels, portfolio-cases, &c.

Alexander, Mrs., Sydney.—Flowers made from seeds and lobster-shell.

Hunt, Mrs. G. H., Parramatta.—Seed-work, shells.

Stratton, E., Tamworth.—Two miniature chairs carved in wood.

Class 30.—Cotton Thread and Fabrics.

Humberstone, L., Sydney.—Cushion, embroidered with crewel-work.

Jenkins, Mrs., Pyrmont.—Knitted quilt.

Class 31.—Thread and Fabrics of Flax, Hemp, &c.

Forsyth, R., & Co., Sydney.—Manila hemp rope.

Class 33.—Woollen Yarn and Fabrics.

Humberstone, Laura, Sydney.—Wool-work.

Minnis, H., Woolloomooloo.

Class 34.—Silk and Silk Fabrics.

Affleck, T., Albury.—Reeled silk and cocoons.

Neill, Mrs. Bladen, Corowa.—Silk, in cocoons and reeled; silk goods woven therefrom.

Class 36.—Lace, Net, Embroidery, and Trimmings.

Calvert, May M., Marrickville.—Silk braces, worked.

Haviland, Lucy M., Redfern.—Collar and cuffs.

Humberstone, Laura, Sydney.—Lace apron, collar, handkerchief.

Hunt, Mrs. G. H., Parramatta.—Embroidery, &c.

Class 37.—Hosiery and Underclothing, and Accessories of Clothing.

Alderson & Sons, Sydney.—Patent-leather leggings, patent spring and buckle.

Hunt, Mrs. G. H., Parramatta.—Knitted stockings and gloves.

Magrath, P., Yass.—Knitted woollen gloves.

Class 38.—Clothing for both Sexes.

Alderson & Co., Sydney.—Boots and shoes.

Gillespie, C., Goulburn.—Ladies', men's, and children's boots and shoes; lawn-tennis made boots.

Taylor, E., Sydney.—Boots and shoes.

West, A., Darlington.—Copper toe-tips for children's boots.

Class 39.—Jewellery and Precious Stones.

Alonzo, S., Sydney.—Imitation jewellery; process of manufacturing imitation jewellery.

Altman, L. J., Sydney.—Silver trinkets.

Moonen, L., Camperdown.—Colonial gold, enamel, and other jewellery.

Class 41.—Travelling Apparatus and Camp Equipage.

Alderson & Sons, Sydney.—Telescope trunks; railway portmanteaus, solid and patent leather; valises, brown and patent leather.

Class 42.—Toys.

Altman, L. J., Sydney.—Digitine, for athletes; cricketing and lawn-tennis goods.

Kerr, E., Sydney.—Mechanical and scientific toys.

Lasseter, F., & Co., Sydney.—Roller skates, Indian clubs, skittles of colonial wood.

Class 43.—Products of the Cultivation of Forests, and of the Trades appertaining thereto.

Crawford, A. R., Moona Plains.—Gums and resins.

Department of Mines, Sydney.—Collection of samples of New South Wales woods.

Fagan, W., Woolloomooloo.—Graining imitations of various woods and marbles.

Field, H. H., Sydney.—Collection of mounted ferns.

Magrath, P., Yass.—Specimens of timber.

Milton, H. M., Balmain.—Cork in various stages, from raw to manufactured.

Page, T., Grafton.—Clarence River wood.

Walker & Halliday, Melbourne.—Wood, from cylinder of bridge between Moama and Echuca.

Class 44.—Products of Hunting, Shooting, Fishing, and Spontaneous Products.

Australian Museum, Sydney.—Collection of Australian birds, &c.

Bray, J. S., Sydney.—150 specimens of birds.

Class 45.—Agricultural Products, not used for Food.

Campbell, D. H., Cunningham Plains.—Sheep burnet (*Poterium sanguisorba*).

Chard, W. H., & Co., Sydney.—Samples of wool.

Page, T., Grafton.—Tobacco-leaf and cotton grown in district, cigars.

King, P. G., Goonoooonoo.—Wool.

Samuel, Hon. S., C.M.G., Sydney.—Glue made from sheep's pelts and pieces of ox-hides.

Class 46.—Chemical and Pharmaceutical Products.

Altman, L. J., Sydney.—Cement for glass and china.

Barratt & Co., Sydney.—Aërated cordials, &c.; balsam of aniseed.
 Brierly, G., & Co., Botany.—Gelatine and glue.
 Davies, W., Goulburn.—Dr. Waugh's baking-powder.
 Gibson, G. W., Surrey Hills.—Odontalgic essence.
 Grogan & Co., Sydney.—India-rubber stamps.
 Holterman, B. O., Sydney.—Furniture polish, Holterman's life drops.
 Hudson Bros., Redfern.—Non-poisonous paint.
 Icke, C., Newcastle.—Pure soldering liquid.
 Kerr, E., Sydney.—Cement for veneers, cabinet-work, household purposes.
 Mulcahey, J. & J., Redfern.—Toilet and other soaps, candles.
 Orchard, A., Redfern.—Exhibition cement and marking-ink.
 Peate, L., Bathurst.—Baking-powder.
 Pottie, J., Sydney.—Patent medicines.
 Saunderson, M., Pyrmont.—Bonanza.
 Schweppe, J. & Co., Sydney.—Mineral waters (non-competitive).
 Starkey, J., Sydney.—Aërated waters.
 Watson & Young, Albury.—Aërated waters.

Class 47.—Chemical Processes for Bleaching, Dyeing, Printing, and Dressing.
 Holterman, B. O., Sydney.—Leather dressing.

Class 48.—Leather and Skins.
 Alderson & Sons, Sydney.—Sole, wax kip, harness, stirrup, mill belt, lacing, and other leathers.
 Davenport & Alcock, Sydney.—Sole, calf, and kangaroo leathers.
 Ewington, E. R., Waterloo.—Rennet (calf's), for cheese-makers; sausage skins.
 Forsyth & Sons, Sydney.—Leather of various kinds, kips, tweed.
 Watson, G. C., Alexandria.—Patent and enamelled leathers.

Class 49.—Agricultural Implements and Processes used in the Cultivation of Fields and Forests.

Drysdale & Roberts, Sydney.—Automatic pump.
 Forsyth, J.—Bone dust, and bone and animal manure.
 Manners, J., Taree.—Double-wheeled plough, corn-sheller.
 Wolsely, F. G., Walgett.—Earth-scoop.
 Wright, J., Sydney.—Ploughs, whipple-trees, and zig-zag harrow.

Class 50.—Apparatus and Processes used in Agricultural Works, and in Works for the Preparation of Food.

Brierly, G., & Co., Botany.—Gelatine used in preparation of food.
 Johnston, W. J., Surrey Hills.—Colonial ovens.
 Lewis, C., Sydney.—Patent steam cooking apparatus.
 Smith & Hamilton, Sydney.—Soda-water machinery and fountain.
 Warren, W., Twofold Bay.—Oscillating cylinder churn, without a dash.

Class 52.—Machines and Apparatus in general.

Alderson & Sons, Sydney.—Machine belts, hose-leather; fire-buckets, solid leather and riveted.
 Forster, S., & Sons, Sydney.—Mackenzie's patent differential compound steam-engine.
 Hack, H. J. C., Glebe.—Electric machine for doing away with quicksilver and acid.
 Knibbs, J. H., Sydney.—Leather mill-belt, fire-engine hose, laces, fastenings, &c.
 Marshall, A. & A., & Co., Sydney.—Couplings, brass castings, patent window fastenings.
 Mort's Dock & Engineering Co., Sydney.—Compound launch-engines, 12 h.-p. (nominal), non-condensing, compound.
 Pitkethly, R.—Windmill.
 Smith & Hamilton, Sydney.—Gas machinery, plumbers' and engineers' work.
 Warren, W., Twofold Bay.—Compressor washing-machine.

Class 53.—Machine Tools.

Drysdale & Roberts, Sydney.—Toggle-riveter, horizontal engine, drilling machine, shearing machine, swing cut-off saw.
 Lasseter, F., & Co., Sydney.—Pyramid or trophy of grindstones.
 Milham, R., & Sons, Sydney.—Saws and tools, plasterers' trowels, joint-rules, chaff and machine knives.

Class 57.—Apparatus and Processes for the Manufacture of Furniture and Objects for Dwellings.

Millson, A., Sydney.—Turnery for builders.
 Tall, G., Sydney.—Locks, saws; plasterers' tools.

Class 59.—Machines, Instruments, and Processes used in various Works.

Barrett & Co., Sydney.—Patent stoppers.
 Jones, E., Sydney.—Stamping-press, for medals.
 Stevens, J., Sydney.—Machine newly designed and made for bottling aërated waters.

Class 60.—Carriages and Wheelwrights' Work.

Angus, W. T., Sydney.—Two "Angus" buggies.
 Drysdale & Roberts, Sydney.—Buggy hood.
 Fitzgerald & Collins, Sydney.—Sociable, cub-under buggy, Hampshire buggy, patent safety.
 Haining & Schimmel, Sydney.—C-spring buggy.
 Keary Bros., Sydney.—Cubunder buggy, patent two-row top.
 Marshall, J. C., Sydney.—Battlesden car.
 Ristoul, R., Sydney.—Two-wheeled car, in varnished wood.

Class 61.—Harness and Saddlery.

Alderson & Sons, Sydney.—Carriage and buggy harness, collars, saddles, bridles, &c.
 Dadd, E., Sydney.—Horse-shoes of various kinds.
 M'Eacharn, J. T., Albury.—Horse-shoes.

Class 62.—Railway Apparatus.

Commissioner for Railways.—Gjedsted's tramway rail and chair; G. T. Evans' patent self-acting tramway points, &c.; model of Lithgow Valley railway, or Zigzag.
 Hudson Bros., Redfern.—Sleeping-car, tram-car.
 Icke, C., Newcastle.—Locomotive side-valves; phosphor-bronze bearings, invented and produced by exhibitor.
 Wearne, T., Sydney.—Tram-car, patent chilled tram-car wheels and axles.

Class 63.—Telegraphic Apparatus and Processes.

Smith, J. M., Sydney.—Scape or patted wheels for telegraphic instruments.
 Superintendent of Telegraphs, Sydney.—Telegraphic, philosophic, and scientific instruments; torpedo apparatus.

Class 64.—Apparatus and Processes of Civil Engineering, Public Works, and Architecture.

Gardner, J., Young.—Patent keyless locks for safes.
 Marshall, A. A., Sydney.—Water-cocks.
 Palmer, H., Sydney.—Model of centre span of railway bridge over River Macquarie, Bathurst.
 Parrott, T. S., Sydney.—Plans, section, and elevation of proposed high-level girder-bridge connecting Sydney and North Shore.

Class 65.—Navigation and Life-saving.

Buckingham, W., Woolloomooloo.—Model of 10-ton yacht, scale 1 inch to the foot.
 Kinnermann, E., Balmain.—Sailing-boat.
 Marshall, A. A., Sydney.—Port light for ships, diving gear.
 Mort & Co., Sydney.—Models of vessels built by the Co., river steamers, surf-boats, launches.
 O'Dwyer, E., Sydney.—Model of self-adjusting, feathering floats, for paddles of steamships.
 Stephenson, M., Sydney.—Oars, sails, and steering-gear.

Class 67.—Cereals, Farinaceous Products, and Products derived from them.

Brown, J. D., Sydney.—Wheat.
 Cole, W., & Sons, Tomago.—Manufactured arrow-root.
 Connell, J., Yass.—English and Cape barley, wheat, oats, rye.
 Davies, G., Windsor.—Maize trophy: maize, wheat, and other cereals.
 Faint, G., Armidale.—White wheat, red wheat, mammoth rye, oats, flour, rye flour.
 Lawrie, A. T., Rawdon Vale.—Arrowroot.
 Manning, J., Bega.—Farm produce.
 Munn, M., & Co., Merimbula.—Maizena.
 Page, T., Grafton.—Maize-meal, arrowroot, millet for cattle food.
 Wade, J., & Co., Sydney.—Corn flour and starch.

Class 69.—Fatty Substances used as Food. Milk and Eggs.

Candelo Butter Co., Sydney.—Butter, in tins and jars, preserved to keep in tropical climates.
 Kiama & Geringery Milk Condensing, Butter, & Cheese Co. Limited.—Condensed milk.
 Manning, J., Bega.—Farm produce.

Class 70.—Meat and Fish.

Manning, J., Bega.—Farm produce.

Class 71.—Vegetables and Fruit.

Davies, G., Windsor.—Fruits of the district, pumpkins, &c.
 Giraud, L., Sydney.—Preserved fruits.
 Manning, J., Bega.—Farm produce.
 Page, T., Grafton.—Sugar-cane, potatoes, preserved fruits and pickles.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Colonial Sugar Co., Sydney.—Sugar.
 Giraud, L., Sydney.—English and French confectionery.
 Monk, D. J., Sydney.—Pure malt and wine vinegar, free from adulteration or acid.
 Page, T., Grafton.—Sugar, jams, and jellies.
 Starkey, J., Sydney.—Cordials.
 Watson & Young, Albury.—Cordials.

Class 73.—Fermented Drinks.

Bouffier, F., Sydney.—White Pineau and Madeira, red Hermitage, and white Claret.
 Brecht, C.—Red Claret, white Pineau, red Hermitage, white Riesling.
 Buckholtz, F., Mudgee.—Red Hermitage and Muscatel, white Verdelho, and Riesling.
 Carmichael Bros.—Porphyry, Seaham, white light Porphyry (4 kinds).
 Davies, A. & E., Lochinvar.—White light Shiraz, S. Riesling, Tokay; full-bodied Riesling, Madeira, and Pineau, and other kinds.
 Doyle, J. F., Lochinvar.—White Verdelho and Shiraz.
 Drinan, J. J., West Maitland.—Red light Hermitage.
 Fallon, J. P., Albury.—Tokay, Riesling, Shiraz, Hermitage, Burgundy, Champagne, Port.
 Fenn, J. H., Port Macquarie.—Red full Isabella.
 Forsaith, Mrs. E. M., Parramatta.—Rich orange wine.
 Gow, J., Mulgrave.—Red Isabella, straw-coloured Tokay, red Greenhatche, and rose Traminer.
 Greer, W. E., & Co., Albury.—Shiraz, Burgundy, Carbinet, Malaga, Muscatel, Verdelho, Aucarot, Malbec, &c.
 Hill, J., Whittingham.—Red light Verdot and Claret, white light Riesling, white full-bodied sweet Riesling.
 Jack, D., Inverell.—Red Hermitage, white Shiraz, red Malbec, white Madeira.
 Kelman, J., Branxton.—Red Hermitage, Verdelho, and Blanquette, Pineau and Shiraz, Hermitage, Riesling.
 Klauss, V., Grafton.—White full-bodied Riesling, red full-bodied Burgundy.
 Lindsay, H. L., Hay.—Beers, cordials, &c.

Macarthur, J. & W., Camden Park.—Red sweet Muscatel, red light Riesling, white light Riesling.
 Milne, G. M., West Maitland.—Beers.
 Meyer, S. A., Corowa.—Red Shiraz and Malbec, white Aucarot and Tokay.
 Munro, A., Singleton.—Verdelho, Shiraz, Riesling, Pineau, white Hermitage.
 Page, T., Grafton.—White Riesling, red Burgundy.
 Powell, E., Richmond.—White full-bodied Sherry.
 Schofield, J., sen., Windsor.—Red full-bodied black Hamburg.
 Stephen, G. H., Hunter River.—Red Ivanhoe Hermitage, white Ivanoe Riesling.
 Vile Bros., West Maitland.—Hermitage, Lambrescat, Burgundy, Verdot.

Class 76.—Flowers and Ornamental Plants.

New South Wales Commission. The.—Collection of ferns indigenous to the colony; orange trees, in various stages of growth.

Class 81.—Apparatus and Processes of the Art of Mining and Metallurgy.**Department of Mines.—**

Gold trophy; quantity, 9,066,601 oz.; value, £33,743,019.
 Silver trophy; quantity, 661,270 oz.; value, £161,572.

Phototypes of the Binda or Fish River caves.

Herrinschmidt, H., East Kempsey.—Model of antimony smelting works.
 Purified Coal & Coke Co., Wallsend.—Model of coal-washing machine.

Class 82.—Mining and Metallurgy.

Atkinson, J. J. O., Oldbury.—Block of iron ore.
 Australian Asbestos Co., Gundagai.—Asbestos and its connections; asbestos, in the crude and in its various prepared states.
 Australian Kerosene Oil & Mineral Co.—Australian boghead mineral, from Goadja Creek.
 Banks, J. H., Sydney.—Specimens from tin lode, "Gulf Stream Mine," New England.
 Barber, R. A., Yass.—Galena.
 Barnet, J.—Building stones.
 Barton, R., Sydney.—Copper ores, with gold, &c., from the Great Cobar Copper Mine.
 Brown & Brown, Pymont.—Trophy of bar and angle iron, tee and bridge nails, samples, &c.
 Brown, T., West Maitland.—Sandstone, from Ravensfield quarries.
 Butchart, J. H., Sydney.—Tin ore, from The Gulf, New England, New South Wales.
 Byers, H. L., M.P.—Gold, in quartz, from Byers and Holtermann's claim, Hill End.
 Coal Cliff Colliery Co.—Vertical section of seam worked at the Coal Cliff Company's Colliery, county Camden.
 Cochran, A.—Marble, from Kempsey.
 Cochran, G., North Willoughby.—Bricks and earthenware clay.
 Cook Brothers, Ultimo.—Antimony ore, star antimony, &c.
 Co-operative Colliery Co., Newcastle.—Coke made from Co-operative Colliery Co.'s coal.
 Copeland, H., M.P.—Quartz crystals, from Peel River.
 Douglas, W., Sydney.—Slate.
 Eskbank Iron Co., Lithgow Valley.—Coal-coke, iron ores, limestone, fire-bricks, &c.; pig iron, rails, and stampers.
 Fountain, J., Brisbane Water.—Iron ore and fire-clay.
 Francis, H., Sydney.—Iron ores, paint ochres, sandstone, fire-clay, &c.
 Gibbs, W. R., Wagga.—Flagging.
 Great Cobar Copper Mining Co.—Copper ores.
 Greta Colliery Co.—Part of vertical section of seam worked at the Greta Colliery.
 Hayton, G.—Iron ore, from Newbridge.
 Herrinschmidt, H.—Natural oxide and sulphide of antimony, crude antimony, regulus of antimony, with paints and chemicals produced.
 Hume, J. K., Cooma House, Yass.—Auriferous quartz, from Dalton.

Hurley, J., & Shepherd, J.—Auriferous and argentiferous sulphides of iron, copper, and lead.
 Icke, C., Newcastle.—Nickel ore, from New Caledonia; ingot of pure nickel, ingot of German silver, and ingots of white metal.
 Illawarra Coal Co.—Vertical section of seam worked at the Company's colliery.
 Isaacsohn, M., Sydney.—Collections of gold, minerals, and fossils.
 Liversidge, A., Sydney.—Specimens of gems and precious stones, from New South Wales.
 Lucas, J., Camperdown.—Stalactites, from Binda or Fish River caves.
 M'Callum, A., Yass.—Copper ore and galena.
 Mackenzie, W. H., Exchange Corner.—Crystallised blue, carbonate of copper, azurite.
 Mackenzie, D. F., & Moore, C. K.—Boghead coal, from Mount Victoria and Bathgate.
 Magrath, P., Yass.—Specimens of soils.
 Mining Department.—Auriferous quartz; silver, iron, antimony, lead, and copper ore; refined tin and copper, in ingots; lode and stream tin; marbles; infusorial earth; gem stones; fossils; blocks of coal from seams worked in the colony; and strata bored through by the diamond rock-drill, to a depth of 2170 feet, on the Sutherland Estate.
 Newcastle Coal Mining Co.—Vertical section of seam.
 Newcastle Wallsend Coal Co.—Vertical section of coal-seam.

New Lambton Colliery Co.—Vertical section of seam.
 New South Wales Shale & Oil Co.—Australian boghead mineral, or torbonite.
 North, J. B., Sydney.—Section of coal, from Katoomba.
 O'Neil, D. J.—Flagging, from Burrowa.
 Osborne Wallsend Colliery Co.—Vertical section of seam.
 Powrie, J., Sydney.—Antimony ore and star antimony, from Gara Antimony Mine, near Armidale.
 Purified Coal and Coke Co., Wallsend.—Small coal and coke.
 Rudder, E., sen., Macleay River.—Collection of pigments made from minerals.
 Rudder, E., jun., Macleay River.—Collection of lead and silver ores, and marble.
 Samuel, Hon. S., M.L.C.—Vesicular basalt, containing opal, from Rocky Bridge Creek.
 Saunders, R., Ultimo.—Freestone (12 blocks).
 Suttor, W. H., Bathurst.—Gold in quartz, part of the "Kerr Hundredweight," found at Ophir in 1851.
 Towns, R., & Co., Sydney.—Bismuth lode stuff, from the "Bruce Mine," New England; tin lode stuff, from "Silent Grove Mine," "Cameron's Lode," and from "Dutchman's Lode," New England.
 Vale of Clwydd Coal Co.—Coal, from Vale of Clwydd, Lithgow, Western district.
 Young, J., Sydney.—Samples of sandstone, from Mr. J. Young's quarries, Sydney.

NEW ZEALAND EXHIBITS.

Class 6.—Education of Children, Primary Instruction, Instruction of Adults.

Board of Education, Napier.—School apparatus and school appliances.
 Buller, Dr. W. L., Sc.D., C.M.G., F.L.S., F.R.S., Wellington.—A History of the Birds of New Zealand.
 Hill, H., Napier.—Reading tablets (16 sheets).

Class 8.—Organisation, Methods, and Appliances for Superior Instruction.

Daniel, W., Dipton.—Specimens of fossils, stones.
 Driller, S., New Plymouth.—Horse's foot (showing the formation).
 Haast, Prof. J. von, Ph.D., F.R.S.—Collection, illustrating the ethnology of New Zealand and of pre-historic races beyond the Australian colonies; skeletons of Dinornithidæ; drawings, illustrating the ethnology of New Zealand; report on geology of Canterbury and Westland.
 Hamilton, A., & Hill, H., Napier.—Specimens of fossils, illustrating the geology of Hawke's Bay.
 Hamilton, A., Napier.—Specimens of ancient printing and writing, enamel; ethnological collection; illustrations of New Zealand zoology—boar's skull.
 Harding, J., Napier.—Stone axes, Maori carvings, limestone fossils.
 Hector, J., M.D., C.M.G., F.R.S.—Collections, illustrating the geology and mineralogy of New Zealand; sketches of New Zealand scenery; publications relating to New Zealand.
 Monckton, C. H., Wellington.—Maori war flag captured at Opotiki.
 Parker, Prof. T. J., Dunedin.—A series of vertebrate skulls (13 in number).
 Thomas, J. A., Nelson.—Fossil shell and timber found at Moutere.

Class 9.—Printing, Books.

Colenso, W., F.L.S., Napier.—First books and public papers printed in New Zealand.
 Cumming, R., Dunedin.—Six copies of masonic newspaper, printed in two colours.
 Edwards & Greene, Wellington.—Printing.
 Enys, J. D., F.G.S., Canterbury.—Illustrated catalogue of New Zealand butterflies.
 Gordon, W., Taranaki.—Maori publications.
 Wilkinson, W., Thames.—Printing.
 Wise, H., & Co., Dunedin.—New Zealand directory.

Class 10.—Stationery, Bookbinding, Painting and Drawing Materials.

Burrett, R., Wellington.—Bookbinding, engraving.
 Colenso, W., F.L.S., Napier.—Paper made from Phormium tenax before 1838.
 Didsbury, G., Wellington.—Bookbinding.
 Fergusson & Mitchell, Dunedin.—Account-books.
 Hammond, J., Nelson.—Ink.
 Invercargill Paper Bag Factory, Invercargill.—Paper bags.
 Mataura Paper Mill Co., Otago.—Wrapping-paper, manufactured chiefly from native grass.
 Otago Paper Co., Dunedin.—Wrapping-paper.

Class 11.—General Application of the Arts of Drawing and Modelling.

Colenso, W., F.L.S., Napier.—Ancient Asiatic bell (cast of); plate of do., framed and glazed.
 Duncan, A., Queen Charlotte Sound.—Bronze medal struck in commemoration of Captain Cook leaving England, 1772.
 Graham, R., Auckland.—Carved Maori bowl.
 Halcombe, Mrs. E., Fielding.—Lithographs of the Manchester Block, Fielding, by the exhibitor.
 Hume, J., Dunedin.—Walking-stick, carved from New Zealand wood—mika mika.
 Johnston, W. G., Hokitika.—Scenes and artistic designs, arranged with ferns, mosses, and lichens.
 "Lyttelton Times," Proprietors of, Christchurch.—Lithography, engraving.
 Lyon & Blair, Wellington.—Engraving.
 Mackay, H., Dunedin.—Penknife carving of ox-horn, fan handle, and cocoanut casket.
 M'Duff, J., Wellington.—Heraldry painting.
 Stodart, Mrs. J., Auckland.—Copies of flowers grown in exhibitor's garden, modelled in rice-paper.
 Surveyor-General of New Zealand, Wellington.—Lithographs.
 Trevithick, F., Wanganui.—Carving on burnt kauri.
 Wilson, W., Wanganui.—Carving on burnt oak.

Class 13.—Musical Instruments.

Falconer, W. S., Blenheim.—Violin and case, of New Zealand wood.
 Simpson, A., Southland.—Set of bagpipes, made of native material.

Class 14.—Medicine, Hygiene, and Public Relief.

Burt, A. & T., Dunedin.—Washstands.
Packer, J. A., Nelson.—Artificial leg, with movable joints at knee, ankle, and toes.

Class 15.—Mathematical and Philosophical Instruments.

Burt, A. & T., Dunedin.—Copper spirit measures.
Stowe, L., Wellington.—Original models of Stowe's calculating-machine, patented.

Class 16.—Maps, and Geographical and Cosmographical Apparatus.

Ayers, A., Christchurch.—Views of Christchurch, with statistical information about Canterbury.
Deverell, W., Invercargill.—Specimens of survey drafting, bound in book form.
Hector, J., M.D., C.M.G., F.R.S.—Geological maps of N.Z., with plans and sections.
Mueller, G., Hokitika.—Map of Westland, showing position of valuable minerals discovered since 1864.
Miller, M. R., Napier.—Stock and Station Report, showing progress of Hawke's Bay Province.
O'Neill, C., C.E., Wellington.—Plan of the city of Wellington, prepared from official documents.
Spreat, W. W. J., Wellington.—Map of Otago.
Sydenham Borough Council, Canterbury.—Chart of statistics, and views of borough buildings.

Class 17.—Cheap and Fancy Furniture.

August, H., Invercargill.—Spring bottoms for full-sized bedstead.
Bernasconi, G., Wellington.—Inlaid table.
Fleming, G., Nelson.—Inlaid tables, &c.
Guthrie & Larnach's Co., Dunedin.—Cabinet, &c.
Large & Townley, Napier.—Work-table, inlaid.
Lawson, Mrs. H., Wellington.—Gipsy tables.
Nicholson, W., Wellington.—Sideboard, of New Zealand woods, made by an apprentice.
Peters, C., Wellington.—Octagon table, and variety of New Zealand woods.
Petherick, J. jun., Wellington.—Table, inlaid.
Seuffert, A., Auckland.—Inlaid table.
Wallis, B., Timaru.—Inlaid chess-table.
Warburton, P. S., Palmerston.—Two tables.
Williams, E., Dunedin.—Panel of red pine.

Class 18.—Upholsterers' and Decorators' Work.

Guthrie & Larnach's Co., Dunedin.—Gilt console table, with marble top.
Maxwell, Mrs., Wellington.—Curtains, N.Z. ferns done in China silk.
Myers, T., Wellington.—Sample picture-frame.
Paterson, Burk & Co., Dunedin.—Venetian blinds.
Taylor, J., Dunedin.—Venetian blind.
Thompson, Mrs., Napier.—Seaweed picture.
White, Mrs. S., Wanganui.—Picture-frame in N.Z. cones.

Class 20.—Pottery.

Austin, Kirk & Co. Limited, Christchurch.—Stoneware drain-pipes, pottery, and ornamental specimens of fire-clay goods. Awarded by the Jury First Order of Merit (Silver Medal). (See advt., page viii.)
Capstick, R. W., Dunedin.—Jugs, vases, teapots.
Condliffe, T., Canterbury.—Terra-cotta, cornice-work, trusses, brackets, vases, &c.
Ford & Ogden, Canterbury.—Drain-pipes; fire-bricks, from fire-clay and ganister; ornamental bricks.
Norbury, G., Wellington.—Drain-pipes, glazed.
Plant, W., Thames.—One jug mould, with handle, complete in one mould.
Reeves & Co., Dunedin.—Earthenware, manufactured solely of N.Z. materials.
Waite, J. E., Thames.—China dish, 200 years old.
Wright & Vincent, Auckland.—Pottery clays.

Class 21.—Carpets, Tapestry, and other Stuffs for Furniture.

Cook, W., Wellington.—Flax and wool mats.

Hislop, A. R., Wellington.—Tapestry, executed by Mary, Queen of Scots.
Oldham, A., Onehunga.—Flax matting.

Class 24.—Goldsmiths' and Silversmiths' Work.

Peterson, B., & Co., Christchurch.—Silver claret jug and cups, made from N.Z. silver.
Sandstein, M., Christchurch.—Silver epergne.

Class 27.—Apparatus and Processes for Heating and Lighting.

Atkinson, T., Christchurch.—Cooking range, capable of being entirely closed or used as an open range.
Barningham & Co., Dunedin.—Patent cooking and heating range, "Zealandia."
Burt, A. & T., Dunedin.—Gasaliers, billiard, bracket, pillar, and other lights.
Douslin, W., Blenheim.—Patent candlesticks.
Fisher, H., Thames.—Colonial oven and grate.

Class 29.—Leather-work, Fancy Articles, and Basket-work.

Burt, A. & T., Dunedin.—One lady's reel-stand, electro-plated and mounted with silk reels.
Brigden, Mrs. A., Wellington.—Hand-screen, tablecover, tea-cloth, bracket.
Ellery, Miss E. F., Dunedin.—Cotton crochet tablecover.
Ellery, Miss M. F., Dunedin.—Fruit, flowers, and picture-frame with ferns.
Harbutt, T. J., Auckland.—Brushware, &c.
Henry, Miss B. J., Dunedin.—Picture, in Berlin wool and silk.
Jennings, D. H., Nelson.—Nest of three baskets made of native material; Pawa shell ornaments.
Lockwood, Mrs., Timaru.—Antimacassar.
Macfarlane, Mrs. D., Jackson's Bay.—Seaweed and shells.
Malcolm, Miss A. J., Dunedin.—Picture, in Berlin wool and silk.
Malcolm, Miss O. A., Dunedin.—Pictures, in Berlin wool and silk.
Maxwell, Mrs., Wellington.—Menu cards, ornamented with New Zealand flowers.
Munro, G., Dunedin.—Clock case, made from Kakanui stone.
Murdoch, Miss L., Upper Hutt.—Natural fern stencil-work, combined with water-colours.
Porter, J., Thames.—Puzzle, in decanter.
Powell, Mrs. H., Oamaru.—Picture, in wool and silk.
Salmon, Mrs. K., Patea.—Cone bracket and picture-frame, seaweed and ferns.
Sim, Mrs. J., Dunedin.—Socks, stockings, baby's petticoat.
Stott, Mrs., Auckland.—Flowers, in wool-work.
Strong, Miss A., Port Chalmers.—Collection of crochet-work.
Thompson, W., Dunedin.—Draughtboard, made from painter's trying-block—imitation of inlaid wood.

Class 31.—Thread and Fabrics of Flax, Hemp, &c.

M'Tavish, Miss, Thames.—Specimens of needlework from New Zealand flax.
Nattrass, L., Nelson.—Bag, made of New Zealand flax.
Potts, E., Christchurch.—Tablecovers, fringe.

Class 33.—Woollen Yarn and Fabrics.

Braithwaite, A., Hutt.—Yarn, home spun (made by a station hand).
Mosgiel Woollen Factory Co. Limited, Dunedin.—Tweeds, travelling-rugs, blankets, &c.

Class 34.—Silk and Silk Fabrics.

Dignan, R., Auckland.—Silk.
Gibbons, S., Wanganui.—Silk.
Graham, R. E., Auckland.—Silk.

Class 36.—Lace, Net, Embroidery, and Trimmings.

Beeby, Mrs., Queenstown.—Knitted counterpane.
Binns, Mrs. G., Dunedin.—Imitation old point lace.
Jones, M. F. E., Nelson.—Point lace.

Logan, Miss J. R., Dunedin.—Lace-work.
O'Connell, Mrs. J., Auckland.—Limerick lace.
Wilson, Miss A., Dunedin.—English modern point lace.

Class 37. — Hosiery and Underclothing, and Accessories of Clothing.

Black, Mrs. M. A., Wellington.—Hosiery.
Greenshields, W., Auckland.—Hosiery.
Henry, Miss M., Nelson.—Woollen scarf.
Mosgiel Woollen Factory Co. Limited, Dunedin.—Hosiery.
Rother, L., Dunedin.—Hosiery.

Class 38.—Clothing for both Sexes.

Almao, V., Dunedin.—Hats.
Becker, J. G., Napier.—Two Maori mats.
Balharry, D., Napier.—Kiwi mat.
Bertinshaw, G., Dunedin.—Felt hats, made from rabbits' fur.
Harris, W., Christchurch.—Boots and shoes.
Lightband, Allan & Co., Christchurch.—Boots and shoes.
Marriott, Mrs. T., Wellington.—Bonnet, made from lace-bark.
Munden, J., Dunedin.—Boot and shoe uppers, ladies' and gentlemen's.
Nicholls, W., & Sons, Christchurch.—Boots and shoes.

Class 39.—Jewellery and Precious Stones.

Cogan, J., Naseby.—Chain and pin.
Williams & Son, Picton.—Pearl (black), found by a Maori in a mussel.

Class 41.—Travelling Apparatus and Camp Equipage.

Harris, J., Dunedin.—Portmanteaus.

Class 43.—Products of the Cultivation of Forests and of the Trades appertaining thereto.

Auckland Harbour Board, Auckland.—Specimens of Australian and New Zealand timber, showing the action of the "Teredo Navalis."
Bagnall Bros. & Co., Thames.—Sample board of Kahikatea.
Blair, W. N., Dunedin.—New Zealand woods.
Campbell, Dr. L., Auckland.—Kauri pine.
Colonial Museum of New Zealand, Wellington.—Collection of timbers, showing results of experiments for determining strength.
Denne, J. G., Nelson.—Block of totara wood, suitable for veneering.
Fletcher, J. E., Collingwood.—Plank of yellow pine timber, and section of same with bark.
George, J. C., Taranaki.—New Zealand woods, polished and rough.
Grayling, W. I., Taranaki.—Tanning, dyeing, and medical extracts.
Guthrie, R., Dunedin.—New Zealand timbers.
Haast, Prof. J. von, Ph.D., F.R.S.—Timbers of Canterbury and Westland.
Halcombe, A. F., Wellington.—Native woods; table top, showing totara knot and honeysuckle.
Hokianga Saw Mill Co., Hokianga.—Kauri.
Hokitika Local Committee, Hokitika.—Timber.
Holdship, G., Auckland.—Large kauri timber.
Hornby, J., Picton.—Two planks of rimu, polished; New Zealand woods.
Isaacs, E., Auckland.—Kauri timber, showing the natural formation of kauri gum.
M'Connon, W., Hokitika.—Totara timber knot.
New Zealand Commissioners, Wellington.—Fine specimen of kauri timber.
Norrie, W., Auckland.—Ornamental timbers.
Otago Museum, Dunedin.—Native timber of Otago; portion of totara log worked with stone adzes.
Robertson & Co., Queenstown.—Birch totara.
Stone, R., Thames.—Veneers of colonial woods.
Sullivan, M., Dunedin.—Baskets, made from supplejack.
Tapper, R. & A., Invercargill.—Southland timber.
Wilding & Ball, Napier.—N.Z. timber and bark, for tanning.

Class 44.—Products of Hunting, Shooting, Fishing, and Spontaneous Products. Machines and Implements connected therewith.

Baker Bros., Wellington.—Kauri gum goods.
Bertinshaw, G., Dunedin.—Rabbit and hare skins, and furs.
Burton, J. B., Wellington.—Stuffed fishes.
Bush, Capt. H., Thames.—350 specimens of kauri gum, comprising all known qualities found in New Zealand.
Carpenter, W., Thames.—Kauri gum.
Daniel, W., Dipton.—Rabbit skins.
Elder, W., Dunedin.—Sea-elephant oil.
Hull Bros., Auckland.—Kauri gum, in its various forms and conditions.
Hull, jun., & Co., Auckland.—Kauri gum.
Invercargill Local Committee, Invercargill.—Stuffed specimens of fish.
Liardet, H. E., Wellington.—Muffs, tippets, and other articles, made from N.Z. skins and feathers.
Mitcheson, E., Dargaville.—Kauri gum.
Parker, Prof. T. J., Dunedin.—Stuffed king penguins; also, skeleton and egg.
Sea crayfish (*Palinurus Edwardsii*), preserved so as to retain its natural colour and flexibility.
Paton, H. I., Bay of Islands.—Kauri gum ornaments.
Reischek, A., Auckland.—Groups of N.Z. birds.
Ross, A. Y., Gisborne.—Petroleum (crude state).
Thames Produce Co. Limited, Thames.—Kauri gum.

Class 45.—Agricultural Products, not used for Food.

Bevan, T., jun., Foxton.—Rope and lines made from N.Z. flax.
Cameron, H., Hokitika.—Bale of flax.
Canterbury Agricultural & Pastoral Association, Christchurch.—Dressed fibre, from European flax grown in New Zealand; plough lines.
Chinnery, C., Canterbury.—New Zealand flax (dressed), twine.
Colonial Museum of New Zealand.—Phormium tenax, showing application to useful purposes.
Fulton, C., Blenheim.—Sample of flax.
King, W. R., New Plymouth.—Flax kits, made by Maoris.
Robertson, A., Nelson.—Phormium tenax, or New Zealand flax.
Ross, A. Y., Gisborne.—Tobacco leaf.
Saeffer, B., Wellington.—Hand-made cigarettes.
Seed, J., Southbrook.—Flax, tow, rope, and twine.

Class 46. — Chemical and Pharmaceutical Products.

Bennett, F., Thames.—Raw, manufactured, and calcined hematite, and specimen board showing tint effects.
Hitchens, H. A. H., Auckland.—Vegetable compound for purifying the blood.
Hokitika Local Committee, Hokitika.—Mineral waters, from Waihoauri, Westland.
Innes, W., Port Chalmers.—Cod liver oil.
Kitchen & Sons, Wellington.—Candles and soaps.
M'Leod Brothers, Dunedin.—Stearine candles, soaps.
Neil, J., Dunedin.—Botanic medicine.

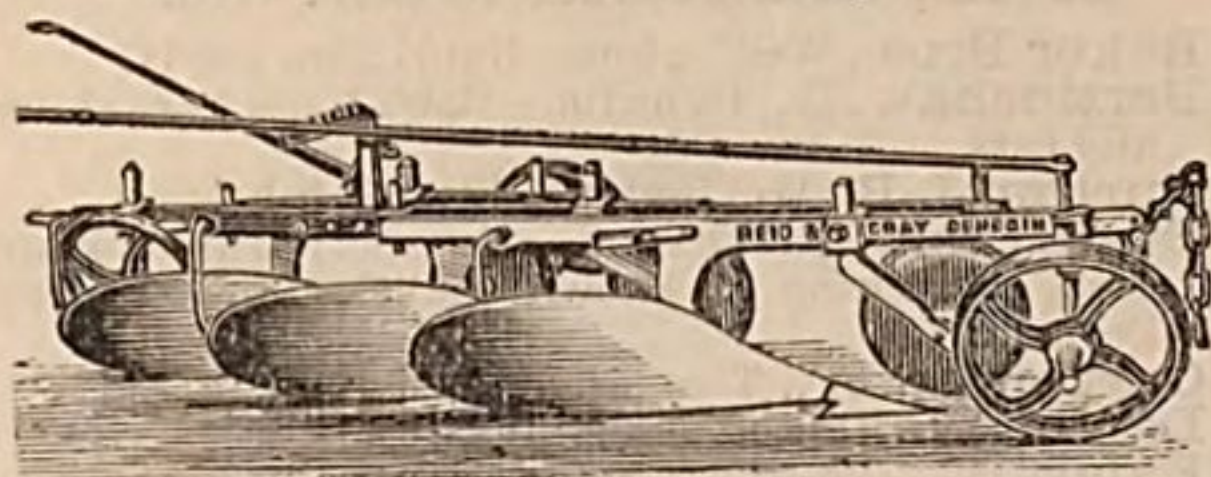
Class 48.—Leather and Skins.

Collier, T., Nelson.—Hand-made parchment.
Crossley, H., & Co., Wellington.—Salted pelts.
Walton, H., Glen Craigie, Wellington.—Basils.

Class 49.—Agricultural Implements and Processes used in the Cultivation of Fields and Forests.

Duncan, P. & D., Christchurch.—Double and single furrow ploughs.
Maydwell, D., Christchurch.—Bone-dust.
Moorhouse, T. C., Christchurch.—Superphosphate of lime and artificial bone manures.

Reid & Gray, Dunedin.—Double-furrow ploughs, with swivel coulter; set of iron zigzag harrows, assortment of machine-made castings.



Extract from Jury report, page 125:—"In ploughs there was one exhibit to which we wish to draw special attention as being the best, and that is the double-furrow, with swivel coulters, of Reid and Gray, Dunedin. In finish and construction it was far superior to any other." Awarded Gold Medal.

Walker, J., C.E., Thames.—Designs for farm buildings.

Class 50.—Apparatus and Processes used in Agricultural Works, and in Works for the Preparation of Food.

Arnold, E., Wellington.—Revolving beehive, to obtain honey without destroying the bees.

Bagnall Bros. & Co., Thames.—Bar-framed beehive.

Burt, A. & T., Dunedin.—Brewers' refrigerator, mashing-machines, bottling-siphon, and corking-machine; water-engine and pumps, pipes, &c.

Ellis, T., Wanganui.—Butter-churn.

Class 52.—Machines and Apparatus in general.

Bush, Capt. H., Thames.—Double-purchase blocks.

Crow, A., Dunedin.—Model of beam-engine.

Dungan, P. J., Timaru.—Box-mangle.

Thomson, T., The Bluff.—Washing-machine.

Class 58.—Apparatus and Processes used in Paper-making, Dyeing, and Printing.

Frost, J. W., Wellington.—Rubber stamps.

Puschel, Jauncy & Co., Christchurch.—Paper pulp, papier-maché, and short stuff, from N.Z. flax.

Stansell, J. B., Christchurch.—Half-stuff and papier-maché, manufactured from N.Z. flax.

Class 60.—Carriages and Wheelwrights' Work.

Moor, W., & Sons, Christchurch.—Circular-fronted brougham.

Robin, J., & Co., Dunedin.—Landau.

Class 61.—Harness and Saddlery.

Brown, C., & Son, Invercargill.—Riding saddle, with improved knee-pad.

Dunbar, A., Christchurch.—Saddles.

Class 62.—Railway Apparatus.

Alves, J., Dunedin.—Working model of Alves' patent aerial tramway, with specimen full-size clip and hanger.

Reid & Duncan, Dunedin.—General plan and details of wire-rope railway.

Class 63.—Telegraphic Apparatus and Processes.

Hayes, J. E., Wellington.—Electric office indicator.

Class 64.—Apparatus and Processes of Civil Engineering, Public Works, and Architecture.

Alves, J., Dunedin.—Silt elevator and carrier.

Boyd, G., Auckland.—Bricks, tiles.

Brown, S., Wellington.—Model of Cape Farewell Lighthouse.

Burnside, H., Dunedin.—Model of the residence of Hon. R. Campbell, Otekaika.

Burt, A. & T., Dunedin.—Brass castings and brass-work, consisting of fittings, valves, hydrants, branch-pipes, couplings, &c.

Canterbury Marble Co., Christchurch.—Marble.

Daniel, W., Oreti.—Stone from Dipton quarry.

Ellis, J. C., Merivale.—Easily-worked, durable building-stone.

Guthrie & Larnach's Co., Dunedin.—Ornamental door, &c.

Haast, Prof. J. von, Ph.D., F.R.S.—Building stones from Canterbury.

Hacket, T. R., Nelson.—Marble.

Halley & Ewing, Wellington.—Red pine door.

M'Caffrey, E., Queenstown.—Freestone, dressed and partly dressed.

M'George, L. D., Clyde.—Plan of suspension-bridge over River Clutha.

Munro, G., Dunedin.—Marble; hydraulic cement in its native state.

New Zealand Commissioners, Wellington.—Carved panels of an ancient Maori house.

Oamaru Stone Co., Oamaru.—Stone column.

O'Connor, E., C.E., Hokitika.—Plans and photographs of Nelson Creek water-race.

O'Neill, C., Wellington.—Artificial Caithness flagging, patented by the exhibitor.

Stansell, J. B., Christchurch.—Marble.

Stewart & Co., Wellington.—Doors.

Thomson, T., The Bluff.—Method of lifting weights.

Waddell, M'Leod & Weir, Wellington.—Doors.

Class 65.—Navigation and Life-saving.

Blackett, J., Wellington.—Lighthouse chart of New Zealand.

Forster, W., Christchurch.—Life-saving vest, which can also be used as an air-cushion.

George, T., Dunedin.—Plans and soundings of Otago Harbour.

Hargraves, T., Nelson.—Model wave-power machine.

Holliday, Captain J., Wellington.—Plan of Wellington Harbour.

Luxford, G. H., Wellington.—Model of a Maori canoe.

Lyttelton Harbour Board, Christchurch.—Model and plan of Lyttelton and Inner Harbour, showing the improvements.

M'Lennan, W., Dunedin.—Working models of boat with propeller (convertible into life-boat, pleasure-boat), and of self-discharging silt-barge.

Thomson, T., The Bluff.—Models of ships' compasses, anchors, wind-power, water-power.

Union Steam Shipping Co., Dunedin.—Models of steamers "Rotomahana" and "Wakatipu," &c.

Warburton, P. E., Palmerston.—Canvas boat, to fold up (for one person).

Weymouth, J., Auckland.—Models of yachts.

Class 67.—Cereals, Farinaceous, Products, and Products derived from them.

Banks, E. H., Christchurch.—Grain seeds, pearl barley, peas, beans, oats, &c.

Butel, P., & Co., Arrow.—Wheat and flour.

Capper, J., Wellington.—Potato flour.

Chambers, J., Te Mata.—Rye-grass seed.

Clayden, S., Wakefield.—Barley, grown on newly broken-up land after oats.

Cleave, R., Invercargill.—Perennial rye-grass seed.

Coe, J., Canterbury.—Varieties of wheat, Chevalier barley, oats, peas, and champion wheat.

Cuddon, W., Christchurch.—Pale porter and amber malt (own manufacture).

Cunningham, P., & Co., Christchurch.—Varieties of wheat, oats, barley, beans, and grass seed.

Dudley, C. T., Irwell.—Wheat.

Duncan & Son, Christchurch.—Farm garden seeds.

Dwyer, M., Frankton.—Red wheat.

Fleming, Gray & Co., Invercargill.—Oatmeal, pearl barley, wheat, flour.

Harley, T., Nelson.—Hops and malt.

Harley & Sons, Nelson.—Barley, and malt made from a similar sample.

Hoadley & Lyon, Napier.—Meadow fescue, rye-grass seed.

Holdaway, D. T., Richmond.—White Tuscan spring wheat.

Hudson, R., & Co., Dunedin.—Flour, infants' food.

Irvine, W., & Co., Palmerston.—Oatmeal.

Kelty, W., Tapanui.—Cereals.

King, G., & Co., Christchurch.—Wheat, barley, oats, beans, peas, &c.

Manning, S., & Co., Christchurch.—Malt and barley.
 Marshall & Copeland, Dunedin.—Malt, barley.
 M'Gill, P., Tokomairiro.—Oatmeal, flour.
 M'Intyre, D., West Clive.—Malt.
 Metherell Bros., Havelock. Napier.—Flour.
 Mitchell, J., Invercargill.—Barley.
 Moir, W., & Co., Canterbury.—Oatmeal.
 Moore, A., & Co., Christchurch.—Wheat, oats, barley.
 Palmer, C. A., Waimea West.—Hops.
 Pannell, G., Christchurch.—Wheaten flour.
 Paul, J. & E., Marlborough.—Barley.
 Preston, J., Otago.—Perennial rye-grass seed.
 Reid & Sons, Invercargill.—Rye-grass seed.
 Royse, Stead & Co., Christchurch.—Wheat, oats, barley, oatmeal, colonial malt.
 Sumpter, G., Oamaru.—Sample of oats.
 Surman, T., & Co., Invercargill.—Malt, barley.
 Tanner, T., Riverslea.—Rye-grass seed.
 Vile, J., Wellington.—Varieties of wheat and oats, flour, rye-grass seed.
 Ward & Co., Christchurch.—Colonial malt.
 Western District Agricultural and Pastoral Association, Riverton.—Cereals.
 Wilkin, R., & Co., Christchurch.—Cocksfoot-grass seed, rye-grass seed, perennial.
 Wilson, Harraway & Co., Dunedin.—Flour, from Oamaru wheat.
 Wood, W. D., Christchurch.—Flour, sharps, bran, semolina.

Class 68.—Bread and Pastry.

Bycroft & Co., Auckland.—Biscuits.
 Douglas, R. T., Thames.—Biscuits.
 Mennie & Day, Thames.—Biscuits.
 Newbury, P. J., Dunedin.—Cracknell biscuits.
 Renton, J. C., Dunedin.—Biscuits.

Class 69.—Fatty Substances used as Food. Milk and Eggs.

Blackwood, W., & Co., Invercargill.—Cheese.
 Goodwin, J., Canterbury.—Cheese made on the Cheddar system, expressly for export purposes.
 Graham, J. A., Sumner.—Cheese.
 Graham, J., Dunedin.—Cheese.
 Kirkland, W., East Taieri.—Cheese.
 M'Connell Bros., Christchurch.—Cheese.
 Pioneer Cheese Co., Dunedin.—Cheddar cheeses.
 Sutherland, R., Christchurch.—Cheese.
 Watson, W., Brookside.—Cheese.

Class 70.—Meat and Fish.

Blake, C., & Sons, Picton.—Preserved fish.
 Eagle, J., Christchurch.—Hams and bacon.
 Gear, J., Wellington.—Tinned soups, preserved meats.
 M'Connell Bros., Christchurch.—Hams, bacon.
 M'Donald & Miller, Dunedin.—Hams, bacon.
 Mein, W. H., Christchurch.—Preserved meats.
 Sheedy, E., Dunedin.—Hams and bacon.
 Watkins, M'Nally & Co., Dunedin.—Hams, bacon.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Carew & Co., Dunedin.—Sauces.
 Clifton, F., Invercargill.—Mushroom ketchup.
 Feraud, J. D., Clyde.—Syrups, liqueurs, and bitters.
 Garratt, W. T., Wellington.—Sauce.
 Gee, A., Christchurch.—Jellies.
 Gomez, J., Rangitikei.—Soda-water, sarsaparilla, lemon, raspberry, peppermint, and clove syrups.
 Gregg & Co., Dunedin.—Coffees, peppers, spices, chicory.
 Harding, J., Waipukurau.—Honey.
 Hudson, R., Thames.—Preserved peaches.
 Huison, W. H., & Co., Wellington.—Sauce.
 Kessell, T. N., Dunedin.—Sauce, ginger wine, peppermint cordial.
 Koeford, H. L., Thames.—Tomato sauce.
 Lane & Co., Dunedin.—Cordials, liqueurs.
 Moffett, W. J., Invercargill.—Soda-water, cordials.
 O'Meara, M., Queenstown.—Cordials.
 Steadman, J. B., Thames.—Canned peaches.
 Strang, D., Invercargill.—Prepared coffees, peppers, and spices.

Thomson & Co., Dunedin.—Cordials, liqueurs.
 Trent Bros., Christchurch.—Chicory in each stage of manufacture; peppers, spices.
 Walter, J., C.E., Thames.—Tomato sauce.

Class 73.—Fermented Drinks.

Blunck, D., Hokitika.—Elderberry wine.
 Cochran, E. W., Dunedin.—Mild ale, bottled ale and stout.
 Crowe, W., & Co., Christchurch.—Bottled ale and stout.
 Crown Brewery Co., Christchurch.—Ale, bulk and in bottle; bottled stout.
 Duigan & Lloyd, Wanganui.—Ale made entirely from N.Z. malt and hops.
 Ehrenfreid Bros., Thames.—Ale and porter.
 Feraud, J. D., Clyde.—Samples of wines.
 Franks, F., Temuka.—Strong ale.
 Hargan & Co., Dunedin.—Bottled ale and stout, brewed by Speight & Co.
 Harley & Sons, Nelson.—Ale, in bulk.
 Hogg, A., Thames.—Ale.
 Innes, F., & Co., Christchurch.—Light and strong ale, in bulk.
 Joel, M., Dunedin.—Ale and stout, in bulk and in bottle.
 Keast & M'Carthy, Dunedin.—Light and medium ales, in bulk; bottled ale and stout.
 Kofoed & Clive, Milton.—Ale, in bulk.
 Mandl & Stennard, Hokitika.—Ale, in bulk.
 Manning, S., & Co., Christchurch.—Ale and stout, in bulk and bottle.
 Marshall & Copeland, Dunedin.—Bulk ale, bottled ale and stout.
 Martin, J. T., Invercargill.—Ale, in bulk.
 O'Meara, M., Queenstown.—Currant and gooseberry wines, five years old, not fortified.
 Pascoe & Co., Wellington.—Mild, pale bitter, and strong ale.
 Roberts, E. T., & Co., Wellington.—Tonic beer and ginger ale (non-alcoholic).
 Schwartz & Co., Christchurch.—Wines.
 Smith, J., Nelson.—Fruit wines (not grape).
 Soler, J., Wanganui.—Wines.
 Speight, J., & Co., Dunedin.—Ale, mild, pale, and strong.
 Strachan, W., Dunedin.—Ale in bulk (strong, mild, and pale).
 Surman, T., & Co., Invercargill.—Beer.
 Thomson & Co., Oamaru.—Bottled ale (old).
 Thomson & Co., Dunedin.—Wines.
 Tod, A., Wanganui.—Wine, from grapes grown by natives.
 Vincent & Co., Christchurch.—Ale and stout.
 Walker & M'Taggart, Palmerston.—Bottled Dunedin ale (Speight's).
 Ward & Co., Christchurch.—Strong ale.
 Wood & Co., Ashburton.—Beer, from Canterbury barley and malt and Nelson hops.

Class 76.—Flowers and Ornamental Plants.

Armstrong, C. C., Dunedin.—Collection of New Zealand ferns in natural colours (dried).
 Armstrong, Mrs. C. C., Dunedin.—Book, containing Victorian wild flowers and N.Z. ferns.
 Craig, E., Auckland.—New Zealand ferns.
 Dall, J., Nelson.—A complete collection of N.Z. ferns, as found in the Nelson district, with hanging baskets two Wardian cases.
 Green, A. G., Westport.—Ferns (140 varieties).
 Hardy, C. A., South Rakaia.—Dried specimens of N.Z. ferns.
 Helms, R., Greymouth.—Ferns and lichens.
 Jeffs, C. K., Wellington.—Dried New Zealand ferns and fern allies.
 Logan, H. F., Wellington.—Dried N.Z. ferns.
 Regan, J., Thames.—Collection of colonial ferns.
 Spence, Mrs. C., Dunedin.—Specimens of N.Z. ferns, bleached, with skeleton leaves.
 Stewart, P., Wellington.—Dried N.Z. ferns.
 Thomson, J., Dunedin.—Book of N.Z. ferns, from the neighbourhood of Dunedin.
 Tizard, Mrs. E., Thames.—Collections of N.Z. ferns.

Class 79.—Seeds and Saplings of Forest Trees.
 Potts, T. H., Christchurch.—Cones of N.Z. forest trees; statistical information on forestry.

Class 81.—Apparatus and Processes of the Art of Mining and Metallurgy.

Brunner Coal Co., Grey River.—Fire-clay retort for gas-making, and other fire-clay goods.
 Climo, W., Thames.—Specimens illustrating a chlorine process for obtaining gold from tailings.
 Hector, J., M.D., C.M.G., F.R.S.—Plans and sections of coal and other mines of New Zealand.
 Hokitika Local Committee, Hokitika.—Model of mining claim—"Morning Star" (Ross).

Class 82.—Mining and Metallurgy.

Austin Kirk Co. Limited, Christchurch.—Fire-clay, raw and prepared.
 Bank of New Zealand.—Specimens of N.Z. gold, models of ingots.
 Bay of Islands Coal Co., Auckland.—Block of coal from Kawa Kawa Colliery.
 Birley, P., Auckland.—Wrought-iron work—Fuchsia on a stick, leaves and flowers.
 Black, G. T., Akaroa.—Red ochre, from Okute Valley, Little River.
 Boulton, P., Queenstown.—Copper ore.
 Boyd, G., Auckland.—Fire-clay and puzzolana.
 Brunner Coal Co., Greymouth.—Coal.
 Coal Pit Heath Coal Mining Co. Limited, Greymouth.—Coal.
 Comer, R., Thames.—Gold-bearing quartz.
 Douglas, G. B., Macetown.—Quartz specimens.
 Driver, H., Thames.—Specimens of stone from Hapi and Karaka Creeks.
 D'Urville Island Copper Mining Co. Limited.—Copper ore.
 Edgar, J., Queenstown.—Fossilised fern roots and leaves.
 Edwards, E. R., Thames.—Gold-bearing quartz.
 Edwards, E. & R., Thames.—Pigments and minerals.
 Ford & Ogden, Canterbury.—Clays, ironstone, manganese, marble, glass-sand.
 Gardiner, W., Moke Creek.—Copper ore.
 Graham, R., Wai Wera.—Tako, found at Roturua Hot Lakes. Paint formerly used by Maoris.
 Greig & Hunter, Christchurch.—Specimens of granite and greystone.
 Hacket, T. R., Nelson.—Copper ore; chrome ore, with accompanying rock; and preparations of chrome; steatite.
 Hokitika Local Committee.—Coal.
 Hon. Minister of Public Works, Wellington.—Rough castings of railway wheels, manufactured from Taranaki iron-sand.

Hooper & Dodson, Nelson.—Coke.
 Ingram & White, Canterbury.—Native chalk, taken from the surface at View Hill, Oxford.
 Invercargill Local Committee.—Stone.
 Irvine, Dr. F. W., Maungatapu.—Chrome iron ore.
 Jackson, H. D., Nelson.—Silver ores, copper.
 Johnston Bros., Nelson.—Galena and silver ore, zinc blende; mineral ores, hematite paint, products of ores.
 Kaitangata Coal Co.—Coal, ordinary seam.
 Lessee's Orepuki Coal Reserve.—Shale.
 Louison, T. B., Nelson.—Hematite ore and paint.
 Low, W., Shotover.—Specular ironstone.
 M'Caffrey, E., Queenstown.—Marble, freestone, limestone, gypsum, &c.
 M'Ilwraith, J. A., Canterbury.—Fire-clay bricks, brown coal, glass-sand, mineral paint.
 Munro, G., Dunedin.—Pottery-clay vases, blocks of Kakonui stone.
 Murray, Dalgleish & Co., Invercargill.—Coal obtained at the Nightcaps.
 New Zealand Commissioners, Wellington.—Trophy representing the total quantity of gold exported from New Zealand; auriferous quartz.
 New Zealand Hematite Paint Co., Nelson.—Hematite raw ore, calcined ore, paint.
 Nelson Local Committee.—Blocks marble and coal, steatite.
 Pawa Rika Lithographic Stone Co., Westland.—Slab of lithographic limestone.
 Peache, A. E., Canterbury.—Freestone.
 Plant, W., Thames.—Crude gypsum, plaster-of-paris made from same.
 Port Chalmers Quarrying Co.—Bluestone.
 Roding River Copper Mine Co., Nelson.—Copper and chrome ores and hypersthene.
 Smith, E. M., New Plymouth.—Taranaki iron-sand, in various stages of manufacture; minerals, &c.
 Stansell, J. B., Christchurch.—Iron ore and ingots, glass making sand, pottery clay.
 Tatton, J. W., Nelson.—Chrome iron ore.
 Thompson, T. J., Bluff.—Specimen of eurite.
 Vivian, J. M., New Plymouth.—Iron-sand, soil used as flux, and brick prepared for smelting.
 Waipori Antimony Mining Co.—Antimony.
 Warren, W., J.P., Queenstown.—Copper ore.
 Watt, A., Campbelltown.—Granite, rough and smooth.
 Westport Colliery Co.—Coal.
 Williams, C. J., Thames.—Silver-lead ore.
 Wilson, W., Christchurch.—Coal and stone.
 Worthington, J. S., Queenstown.—Iron-sand.

QUEENSLAND EXHIBITS.**Class 6.—Education of Children, Primary Instruction, Instruction of Adults.**

Beenleigh State-school, Logan River.—Two maps, by Otto Danth (age, 13½ years).
 Department of Public Instruction.—Sample of school wall construction, school window, desk, &c.
 Department of Mines.—Geological maps.
 Fox, H. W., Brisbane.—School map of Queensland.
 Hurworth, C., Fortitude Valley.—Pupil-teacher's cabinet, pupil-teacher's easel.
 Knight, W., Brisbane.—New school map of Queensland, lithographed by H. W. Fox.
 Municipal Council, Bowen.—Plan of Daintree coal seam, Bowen River, with block of coal.
 Normal School, Brisbane.—Drawings.
 Normal School, Fortitude Valley.—Maps prepared by pupil-teachers and scholars.
 Superintendent of School Buildings, Queensland.—Two plans of school construction.

Class 9.—Printing, Books.

Gardiner & Cool, Brisbane.—Rubber stamps.
 Thorne, W., Brisbane.—Pugh's Almanac, 1880.

Class 10.—Stationery, Bookbinding Materials.

Beal, J. C., Government Printer.—Commercial, law, and library binding and ruling.

Macpherson, A., Brisbane.—Paper made from Sida ritusa, Ficus macrophylla, and tea-tree bark.

Class 11.—General Application of the Arts of Drawing and Modelling.

De Sissey, Mdme., Brisbane.—Crape flowers.
 Uther, S. H., Brisbane.—Model for a town-hall.

Class 14.—Medicine, Hygiene, and Public Relief.

Walker, J. H., Brisbane.—Lady's cork boot.

Class 15.—Mathematical and Philosophical Instruments.

Weaber, H., Brisbane.—Spectacles.

Class 17.—Cheap and Fancy Furniture.

Bowden, W., St. Helena.—Inlaid table and writing-desk.
 Carey, J. W., Brisbane.—Cedar show-case, in two parts, designed for centre or wall space.
 Kasch, J., Rockhampton.—Inlaid table and cabinet, made of native woods.
 Macintosh, —, Rockhampton.—Dressing-table.
 Pettigrew, Hon. W., M.L.C., Brisbane.—Cedar hall-door and mantelpiece, complete.

Petrie, J., Brisbane.—Pedestal dressing-table, with looking-glass, made of silky oak and cypress pine.
Queensland Government.—Wardrobe; side-board, Queensland woods; turnery and fret-work.
Rockhampton Committee.—Furniture.

Class 18.—Upholsterers' and Decorators' Work.

Gair, B. N., Mrs., Brisbane.—Ornamental baskets.
 Hislop, J. & J., Brisbane.—Drawingroom suite, Queensland oak, and ebonised black and gold.
 Murdoch, J. S., Brisbane.—Graining and staining imitation woods.
 Sturgess, H., Rockhampton.—Hall chairs.
 Thomle, P., Brisbane.—Inlaid writing and loo table, jewel-case, book-case, and chest of drawers, made of native woods.

Class 20.—Pottery.

Fensom, D., South Brisbane.—Pottery.
 Fischer, G., Breakfast Creek.—Fire-bricks.
 Petrie, J., Brisbane.—Fire bricks, building bricks (white and red, pressed).
 Simpson, A., Clifton.—Cement, fire-clay goods, crucibles, retorts, bricks, &c.
 Staiger, K. T., F.L.S., Brisbane.—Fire-bricks.

Class 21.—Carpets, Tapestry, &c.

Baker, A., Maryborough.—Painted table-cover.
 Dundson, Mrs. G., Ipswich.—Patchwork quilt.
 Rawlins, Mrs., Warroo.—Two marsupial rugs.

Class 33.—Woollen Yarn and Fabrics.

Queensland Woollen Manufacturing Co., Ipswich.—White blankets, white flannels.

Class 34.—Silk and Silk Fabrics.

Chubb, C. F., Ipswich.—Silk material, from the grain to the manufactured article; grown in Queensland, and manufactured at Macclesfield; reeled silk.

Class 36.—Lace, Net, Embroidery, &c.

Kunzli, B., Rockhampton.—Hair-work.

Class 38.—Clothing for both Sexes.

Davidson, J., Darling Downs.—Cabbage-tree hat.
 Dougherty, Mrs., Upper Burnett.—Lady's hat, made from currajong tree.
 McDonald, J., Penal Establishment, St. Helena.—Boots, canvas shoes, clothing for native police, &c.
 Shields, M., Gympie.—Boots and shoes.

Class 39.—Jewellery and Precious Stones.

Powell & Campbell, Wilson River.—Opals.

Class 41.—Travelling Apparatus.

Lade, N., Brisbane.—Portmanteaus.

Class 42.—Toys.

Thomle, P., Brisbane.—Automatic boy and theatre.

Class 43.—Products of the Cultivation of Forests and of the Trades appertaining thereto.

Botanic Gardens.—Collection of Queensland timbers; medicinal and tanning barks.
 Byerley, T. S., Rockhampton.—Pieces of timber.
 Byerley, T. S., Rockhampton.—Strains of timber.
 Cook, W. D., Westwood.—Native woods (polished).
 Gordon, J., Townsville.—Mangrove bark.
 Macpherson, A., Brisbane.—Polished specimens of useful and ornamental timbers.
 Petrie, J., Brisbane.—Timbers: cedar board and piece yellow-wood.
 Pettigrew, Hon. W., M.L.C., Brisbane.—Trophy of mouldings, illustrative of varieties of Queensland woods.
Queensland Commission.—Timbers, polished.
Queensland Government.—275 cups turned and polished, illustrating the varieties of indigenous timber; kauri pine, Queensland timbers.
Rockhampton Committee.—Native timbers of the district.
 Spence, D., Cairns.—Collection of indigenous woods.
 Sturgess, H., Rockhampton.—Trophy of turnery work, executed to display indigenous timbers.
 Staiger, K. T., F.L.S., Brisbane.—Duboisia leaves, bitter bark, quinine bark.

Class 44.—Products of Hunting, Shooting, Fishing, and Spontaneous Products. Machines and Instruments connected therewith.

Alder, A., Brisbane.—Natural history specimens.
 Bell, Hon. J. P.—Pair of antlers from the progeny of deer presented by Her Majesty.
 Boyd, A. J., Brisbane.—Aboriginal curios.
 Bracher, H., Warroo.—Two marsupial rugs.
 Coxen, Mrs. C., Brisbane.—Stuffed birds, carved nautilus shells, curios, &c.
 Crate, J. S., Brisbane.—Vegetable sponges, colvandoth or bitter cucumber, seed of same.
 Diggles, S., Brisbane.—Beetles and butterflies.
 Gulliver, T. A., Thornborough.—Native birds.
 Hartmann, C. H., Toowoomba.—Collection of insects injurious to trees and plants.
 Johnstone, R., Herbert River.—Aboriginal weapons.
 Marwedel, E., Toowoomba.—Marsupial skins.
 Palmer, Hon. A. H., M.L.A.—Native implements; two mummies and curiosities, from New Guinea.
 Parbury, Lamb & Knox, Sydney.—Pearl shell, from the Torres Straits fisheries.
 Pilcher, G. L., Rockhampton.—Entomological specimens.
Queensland Government.—Shells, coral; rams' heads, preserved and mounted; stuffed dugong; scented iron-bark gum leaves, and essence.
 Rainbird, J., Bowen.—Land and marine shells.
 Robinson, W. R., Toowoomba.—Queensland scrub birds.
Rockhampton Committee.—Natural history specimens.
 Sachs, F. L., Brisbane.—Mummy, from Central Queensland.
 Sandrock, G. F., Bowen.—Coral and shells.
 Staiger, K. T., F.L.S., Brisbane.—Aboriginal weapons, curios.
Trustees Queensland Museum.—Native cats, water rat, scrub wallabies; conchologic specimens; pair of Aquita andax, &c.
 Wickham, G. J., Rosenthal.—Opossums' fur.
 Williams, A., Brisbane.—Cinnamon bark.
 Wilson, J., Rockhampton.—Neatsfoot oil.

Class 45.—Agricultural Products, not used for Food.

Botanic Gardens, Brisbane.—Indigenous pasture grasses and fodder plants, fibres, gum resin.
 Bridgman, R., Mackay, Queensland.—Tobacco.
 Corten, C. G., Rockhampton.—Tobacco.
 Cribb & Foote, Ipswich.—Cotton, ginned and in the boll, grown near Ipswich.
 Hocker, J. H., Brisbane.—Tobacco leaf.
 Jones, A., Rockhampton.—Tobacco leaf.
 Macpherson, A., Brisbane.—Indigenous grasses, dried and growing in tubs; perennial, New Zealand, prairie, and Italian grasses; white and grey millet; jute plants; jute, flax, rosella hemp, and other fibres; textile fabrics made from fibres, and cloth and twine from jute and rosella hemp.
 Soegard, H., Logan River.—Tobacco, manufactured from Queensland leaf.
 Turner, F.—Indigenous fodder grasses.
 Wickham, H. A., Lower Herbert.—Fibres.
 Wyatt, A., Rockhampton.—Zamia fibre.

Class 46.—Chemical and Pharmaceutical Products.

Baker, T., Maryborough.—Coralline.
 Berkley, Taylor & Co.—Dugong oil, refined and unrefined.
 Boldemann, W., Rockhampton.—Plain soap.
Botanic Gardens, Brisbane.—Essential oils, tinctures, &c., prepared by L. Carmichael.
 Clarke, D., Warwick.—Essences, perfumes, and tooth-powders.
 Larned, A., Birchans.—Mineral waters.
 Ruddell, R., Bundaberg.—First quality soap.
 Staiger, K. T., F.L.S.—Chemical and pharmaceutical preparations, acids, essential oils, and essences; wood tar, kerosene, paraffin, &c.; indigenous medicinal barks and preparations.
 Stillier & Co., Moreton Bay.—Dugong oil.
 Yeo, C. H. F., Brisbane.—Essences and perfumes.

Class 47.—Chemical Processes for Dyeing.
Botanic Gardens, Brisbane.—Dyeing materials.

Class 48.—Leather and Skins.

Alderson & Sons, Brisbane.—Dugong leather.
Hatton, W., Maryborough.—Dugong leather.
Mortimer, W., Stanthorpe.—Kangaroo and wallaby skins.
Queensland Government.—Marsupial rugs and mats; skins, tanned with hair on; leather.

Class 49.—Agricultural Implements and Processes used in the Cultivation of Fields and Forests.

Booth, J. S., Fortitude Valley.—Bone-dust.
Fitzallan, E. B.—Model gate, showing improved fastening that can be easily opened on horseback.
Macpherson, A., Brisbane.—Machine and appliances for dressing rice.

Class 54.—Apparatus and Processes used in Spinning and Rope-making.

Forsyth, A., & Co., Brisbane.—Rope.

Class 56.—Apparatus and Processes for Sewing and for Making-up Clothing.

Wilson, J., Rockhampton.—Sewing-machine oil.

Class 60.—Carriages and Wheelwrights' Work.
Morris, G. R., Bowen.—Model waggon, made by exhibitor's apprentices.

Queensland Government.—Whitechapel cart, to show suitable Queensland woods.

Class 61.—Harness and Saddlery.

Johnston, —, Ipswich.—Stockwhips.
M'Donald, J., St. Helena.—Saddlery.
Vaughan, —, Rockhampton.—Stockwhips.

Class 62.—Railway Apparatus.

Locomotive Department, Southern & Western Railway, Ipswich.—Double saloon bogie carriage.

Stanley, H. C., Public Works Department.—Views of recent railway construction in Queensland.

Class 65.—Navigation and Life-saving.

Norris, C. S., Townsville.—Models of centre-board skiff and yacht; boat.
Temple, D., Rockhampton.—Wave motor.

Class 67.—Cereals, Farinaceous Products, and Products derived from them.

Atherton, J., Rockhampton.—Arrowroot, tapioca.
Baker, T., Maryborough.—Arrowroot, white and purple; starches from wheat, maize, arrowroot, potatoes, rice, plantains, and yams.
Botanic Gardens, Brisbane.—Arrowroot, tapioca, sugar cane, rye, oats, and collection of roots.
Burnett, J., Brisbane.—Tapioca.
Castles, W., Pimpama.—Arrowroot, purple.
Cribb, J. B., Gatton.—Ninety-day maize.
Grimes, G. & S., Brisbane.—Arrowroot.
Horwitz & Co., Warwick.—White and yellow maize meal, yellow maize.
Kates, F., Allora.—Wheaten flour; wheaten, maize, buckwheat, and rye meal.
Lahey & Sons, Pimpama.—Arrowroot trophy.
Macpherson, A., Brisbane.—Rice, in sheaf; paddy and dressed rice, rye, brown millet.
Madden, —, Townsville.—Maltese arrowroot.
M'Dowall, W., Oxley.—Maize.
O'Leary, A., Warwick.—Maize, ninety-day.
Oxenford, W. R., Coomera.—Rice grown on alluvial scrub land, without irrigation, average yield two tons per acre; linseed, flax seed.
Pettigrew, Hon. W., Birchans.—Maize meal, ground rice.
Robson, R. F., Laidley.—Maize, ninety-day.
Sachs, L. F., near Townsville.—Wheat and oats.
Strong, J., Rocky Waterholes.—Maize, yellow.
Wagner, Mrs., Birchans.—Rice, paddy.
Wilson, J. T., Warwick.—Wheat, propagated from Talavera wheat.

Class 68.—Bread and Pastry.

Clarke, D., Warwick.—Baking powder.
Sanderson, F., Brisbane.—Baking powder.

Wilson, F. W., & Co., Biscuits.
Yeo, C. H. F., Brisbane.—Baking powder.

Class 70.—Meat and Fish.

Beardmore, F. J. W., Cooktown.—Bêche-de-mer, preserved in spirits; bêche-de-mer, dried.
Hartley, W. J., & Co., Cooktown.—Bêche-de-mer.
Lake, Captain, Sydney.—Bêche-de-mer, preserved in spirits.
Municipal Council, Bowen.—Bêche-de-mer, dried.
Skinner, B., Fortitude Valley.—Preserved turtle and meats, potted dugong.
Staiger, K. T., F.L.S.—Bêche-de-mer, in spirits.
Stiller & Co., Moreton Bay.—Dugong bacon and lard.

Class 71.—Vegetables and Fruit.

Baker, T., Maryborough.—Preserved potatoes.
Botanic Gardens.—Collection of fruits, bunya bunya, sweet sop, Chinese date plum, &c.
Chubb, C. F., Ipswich.—Olives, bottled.
M'Donald, J., St. Helena.—Olives, bottled.
Marwedel, E., Toowoomba.—Orange marmalade.
Skinner, B., Fortitude Valley.—Fruits preserved in syrup; jams, jellies, and marmalade.
Thozet, Mrs., Rockhampton.—Preserved fruits.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Acheson & Allen, Rockhampton.—Chutney, jellies.
Amhurst, F. T., Mackay.—Sugar (1sts, 2nds, 3rds), any process, open or vacuum pan, boiled, but not refined; golden syrup.
Black, M. H., Mackay.—Sugar (1sts, 2nds, 3rds), common process, open pan, boiled.
Boreham, J. H., Brisbane.—Chutney, chili.
Botanic Gardens, Brisbane.—Tea, coffee, spices, sugar.
Cairroll & Avery, Mackay.—Sugar (1sts, 2nds, 3rds), common process, open pan, boiled.
Canney & Morton, Luton Vale.—Sugar (1sts), vacuum pan, boiled, unrefined.
Conley, E.—Sugar (2nds), open pan.
Coudery, W. H., Ageston Plantation.—Sugar (2nds), vacuum pan, unrefined.
Cowley, A. S., Herbert River.—Cayenne.
Cross & Co., Yengarie Plantation.—Sugar (1sts), vacuum pan, boiled, refined.
Davey and Gooding, Beenleigh.—Sugar (1sts), open pan, boiled, unrefined.
Davidson, J. E., Mackay.—Sugar (1sts, 2nds, 3rds), vacuum pan, boiled, unrefined.
Donaldson & Co., Mackay.—Sugar (1sts, 2nds, 3rds), vacuum pan, boiled, unrefined.
Duval, L., Mackay.—Sugars (brewers' crystals), white vacuum pan, common process.
Gibson & Sons, Clydesdale Plantation.—Sugar (1sts), vacuum pan, boiled, unrefined.
Hewitt & Co., Mackay.—Sugar (1sts, 2nds, 3rds), common process, open pan, boiled.
Holland, Miskin & Co., Nerang Creek.—Sugar.
Hyne, W., & Co., Balmoral and Meadowlands.—Sugar (1sts, 2nds, 3rds), common process, open pan, boiled.
Jack, D., & Sons, Mackay.—Sugar (1sts, 2nds, 3rds), common process, open pan, boiled.
King, G. H. M., Mackay.—Sugar (1sts, 2nds), common process, open pan, boiled.
Lloyd & Walker, Mackay.—Sugar (1sts, 2nds, 3rds), common process, open pan, boiled.
Logan Sugar Co., Logan.—Sugar (1st and 2nd), open pan, boiled, unrefined.
M'Donald, J., St. Helena.—Sugar (yellow counter) and molasses, open pan, unrefined, manufactured by prison labour at the Penal Establishment.
M'Cready, H., Mackay.—Sugar (1sts).
Muir, R., Benowa.—Two mats sugar.
Phefeldt, —, Junction.—Sugar (3rds), open pan, boiled, unrefined.
Palmer, H., Shawn Plantation.—Sugar (1sts, 2nds, 3rds), vacuum pan, boiled, unrefined.
Queensland National Bank, Otmoor.—Sugar (3rds), open pan, boiled, unrefined.
Raff, G., & Co., Mackay.—Sugar (1sts, 2nds, 3rds), common process, open pan, boiled.

Sloane, W., & Co., Nebia and Tekowai Plantations, Mackay.—Sugar (1sts, 2nds, 3rds), any process, open or vacuum pan, boiled, unrefined.
 Spiller, J., Mackay.—Sugar (1sts, 2nds, 3rds), vacuum pan, boiled, unrefined.
 Staiger, K. T., F.L.S., Brisbane.—Spice of a Queensland nutmeg-tree.
 Vincent, J. E. M., & Co., Brisbane.—Samples of sugar made by "Victor" horse-power mill.
 Watt, A., Beenleigh.—Two mats sugar.
 Williams, A., Eight-Mile Plains.—Ginger, cinnamon, coffee beans.
 Witty, W. K., Beenleigh.—Sugar (2nds), open pan, boiled, unrefined.

Class 73.—Fermented Drinks.

Childs, D. J., & Son, Brisbane.—1877, red, dry, and full-bodied wines; 1877, red dry wines.
 Chubb, C. F., Ipswich.—Espar, 1877.
 Couldery, W. H., Beenleigh.—Rum, gin.
 Davidson, J. E., Mackay.—Rum.
 Gerler, C. T., & Son, Brisbane.—Light, sweet, and dry red wines.
 Hewitt & Co., Mackay.—Rum.
 Kircher, J., Warwick.—Red and white wines — Verdeilho, Salvina, Hermitage, Mataro, &c.
 Lade, J. J., Brisbane.—Wines — Hermitage and Isabella.
 Raff, G., Caboolture.—Rum, 11 years old.
 Romer, C., Warwick.—Red and white wines — Tokay, Riesling, and black Spanish.
 Sloane, W., & Co., Mackay.—Rum.
 Yearwood, R. B., Mackay.—Rum.

Class 76.—Flowers and Ornamental Plants.

Bailey, F. M.—Illustrations of botany of Queensland.
 Queensland Commission.—Two macrozamas, from the Leichhardt district.

Class 79.—Seeds and Saplings of Forest Trees.

Fitzallan, E., Bowen.—Rare indigenous seeds of the colony; collection of orchids.
 Hartmann, C. H., Toowoomba.—Box constructed of seeds and seed cones.
 Hill, W., Birchans.—Cones of bunya-bunya nuts.
 Shann, W., Bowen.—Queensland grasses.
 Tulloch, W., Warwick.—Lucerne seed.
 Turner, F., Brisbane.—Indigenous grass seeds.
 Way, E., Toowoomba.—Seeds of indigenous grasses.

Class 82.—Mining and Metallurgy.

Alger, J., Sydney.—Peak Downs malachite.
 Bennett, Captain.—Red oxide copper, copper regulus, chalcopryrites, and copper ores, from Mount Perry.
 Beardmore, F. J. W., Cooktown.—Tin ores, from Granite Creek, Palmer River.
 Bowen Municipal Council.—Block of coal, from the Daintree seam, Bowen River.
 Christie, J. P., Peak Downs.—Copper, precipitate of copper, native copper, sulphate of copper, &c.
 Clarke, D. S., Cairns.—Tin ore, from the Palmer.
 Couldery, W. H., Gympie.—Gold specimens.
 Critchley, R., Gympie.—Antimony ore.
 Dawson, J. B., Boyne River.—Auriferous tailings.
 Department of Mines.—Ores of antimony, galena, chrome, manganese, cinnabar, bismuth, &c.
 Doctor's Reef, Proprietors, Gympie.—Mundic-stone.
 Draper, Rev. W., South Brisbane.—Two pebbles, Derbyshire.
 Eldred, Capt. W. H., Sydney.—Cinnabar, or sulphuret of quicksilver, in various forms of occurrence.
 Fischer, G., Breakfast Creek.—Fire-clay.
 Friend, H., jun., Gladstone.—Tailings.
 Glamire North Gold Mining Co., Gympie.—Rich auriferous quartz.
 Gregory, A. C., C.M.G., Brisbane.—Specimens of coal, from various districts.
 Gympie Committee.—Pyrites; rock cores, extracted by the diamond drill.
 Henry, E., Cloncurry.—Collection of copper ore.
 Hodgkinson, W. O., Warden, George Town.—Geological collection, consisting of gold-bearing stone, mundic-stone, tailings, &c., from various claims on the Etheridge River.

Hays, W., Townsville.—Copper ores, from Star River.

Hill, W. R. O., Ravenswood.—Galena and silver lead ore.

Hunter, Capt. R. M., Rockhampton.—Marbles.

Jack, R. L., Townsville.—Fossils.

Maytown Residents.—Column, representing bulk of gold extracted from Palmer River goldfield.

Miller, H. C., Etheridge.—Granite and gold-bearing ores of copper, lead, iron, &c., from various reefs of Etheridge district; rich specimens of gold; agates.

M'Donald, J., St. Helena.—Tinware.

Moffatt, D. & J., Brisbane.—Waterstown coal.

Morgan Bros., Charters Towers.—Gold specimens.

Mount Orange Copper Co., Mackay.—Copper ore.

Nicholls Leasehold, Proprietors, Gympie.—Gold, in quartz.

Palmer, E., Cloncurry River.—Minerals.

Peak Downs Copper Mining Co.—Refined and precipitate copper.

Pearce & Co., Gin Gin.—Silver ore.

Pearin, J., Brisbane.—Rich gold specimens.

Petrie, J., Brisbane.—Hard and freestone, fire-clay, silica powder.

Queensland Commission.—

Column representing gold raised in colony from 1868 to 1879, amounting to 3,244,777 ozs.

Trophy of Queensland tin and copper.

Queensland Government.—

Gold, in various forms of occurrence; polished sections of gold and quartz; auriferous specimens, containing ore of iron, lead, &c.; blocks of antimony, galena, cinnabar, and calcite.

Granite, carboniferous sandstone, red oxide, and copper ore; native copper, malachite, black oxide, green carbonate of copper.

Manganese ore, oxide of manganese, cobalt, and nickel ore, from New Caledonia; bismuth, zinc blende, lode tin, iron ores, from Queensland and other countries; antimony ore, from Victoria and other countries.

Statuary marble and black Turkey stone; fossils, coral oxides, sulphides, carbonates, silicates, and chlorides of copper; and native metals.

Collection of alabaster, marbles, cinnabar, galena, lead, silver ore, chrome ore, lode tin, Koch's crystals, Turkey stones, China clay, and antimony, from various countries.

Precious stones—opals, aqua-marine, amethysts, agates, jaspers, cornelian, onyx, sardonyx, &c.; also a collection from various countries.

Aboriginal stone axe (Darling Downs).

Queensland Department of Mines.—Refined lead and antimony.

Roberts, W. B., Pikedale.—Tailings.

Rockhampton Committee.—Marble, limestone, oolite, freestone, copper ore; marble, &c.

Selheim, P. F., Maytown.—Stream and lode tin; ores and rocks; gold in quartz, &c.

Sheaffe, R. H., Cloncurry.—Copper ores.

Simpson, A., Clifton.—Coal.

Smellie & Co., R. R.—Moulding sand.

Staiger, K. T., F.L.S.—Chrome colours, prepared from Ipswich ore by exhibitor; a jet pin, made from Ipswich jet coal.

Sutton, J. W., Brisbane.—Queensland and foreign ores, including gold, silver, copper, tin, antimony.

Trustees Queensland Museum.—

Gypsum, steatite, China clay, native salt and soda, plumbago, marbles, statuary marble.

Precious stones—diamonds, agates, topaz, garnets, opals, garnets, amethysts, serpentines, &c., &c.

Native copper, iron ore, tin, bismuth, malachite, copper ores, coal and gold, felspar, galena, antimony.

Coal fossils, fossil wood and trees, palæozoic fossils.

Freshwater shells (extinct, and of the present day).

Rock specimens.

Aboriginal stone axes.

Tyrel, J. de P., M.L.A., Stanthorpe.—Section showing the strata of alluvial tin mine at Stanthorpe, to scale; stick of smelted tin; stream lode tin ores; ingots of tin.

Whitley, W., Maryborough.—Block of coal, from seam 4 feet thick, 115 feet from surface.

Wills, K. H., Mackay.—Clay.

SOUTH AUSTRALIAN EXHIBITS.

Class 6.—Education of Children, Primary Instruction, Instruction of Adults.

Hartley, J. A.—Kindergarten work, specimens of needlework, ground-plan of Hindmarsh school.

Class 9.—Printing, Books.

Chamber of Manufactures, Adelaide.—Papers read before the Chamber.

Commissioners for South Australia, The.—Various publications.

Schomburgk, R.—Report and catalogue of plants in the Botanic Gardens.

Twopeny, R. E. N., Hackney.—Sketch of South Australia.

Class 10.—Stationery, Bookbinding, Painting and Drawing Materials.

Braddock & Sons, Brompton.—Printing inks.

Cargeeg, G. H., Adelaide.—Chromograph copying apparatus.

Commissioners for South Australia, The.—Bookbinding.

Spiller, E., Adelaide.—Printing, bookbinding.

Williams, J., Adelaide.—Account-books, embossing, lithography, &c.

Class 11.—General Application of the Arts of Drawing and Modelling.

Commissioners for South Australia, The.—Wax models of fruits grown in the colony.

Roach, T. W., Adelaide.—Pediment, for chiffoniere; bracket, for clock.

Class 12.—Photographic Proofs and Apparatus.

Commissioners for South Australia, The.—Photographs of scenery, buildings, &c.

Dunn, J., & Co., Adelaide.—Photographs of Dunn's flour-mills.

Hambridge, Miss H., Kensington.—Coloured photographs.

Niesche, C. F., Adelaide.—Rembrandt photographs.

Sweet, S. W., Adelaide.—Landscape photographic views.

Wright, A. E., Adelaide.—Photograph of the Bank of South Australia.

Class 13.—Musical Instruments.

Robertson, J. N., Overland Corner.—Three colonial-made violins.

Class 16.—Maps, and Geographical and Cosmographical Apparatus.

Commissioners for South Australia, The.—Statistical plans and diagrams, register, and sketch.

Goyder, G. W., Adelaide.—Maps and plans.

Kelly, R. S., Adelaide.—Diagram showing the rate of interest corresponding to the selling price of 4 per cent. £100 bonds.

Smith, C. W., Adelaide.—Portion plan of Adelaide, 80 feet to 1 inch.

Class 17.—Cheap and Fancy Furniture.

Brice, R., Adelaide.—Inlaid octagon loo-table.

Buttery Brothers, Adelaide.—Davenport.

Francis, W. S., Glenelg.—Ornamental fire-screen, composed of about 100 species of cones.

Fraser, H., Adelaide.—Marble mantelpieces.

Gay, P., Adelaide.—Inlaid table, chest of drawers, wardrobe.

Glassford, Miss A. C., Semaphore.—Fancy frames, brackets, &c.

Graham, F. W., Yankalilla.—Inlaid tables.

Herring, E. N., Adelaide.—Mantelpiece of Italian marble.

Landsberg, Mrs., Kapunda.—Wool-work picture.

Pratt, W. A., N. Adelaide.—New cooking apparatus, "Little Wonder" stove, cooking-stove, gasfitter's torch.

Watson, G. G., Adelaide.—Table, inlaid (stone).

West-Erskine, W. A. E., Adelaide.—Coal-scuttle and scoop combined.

Class 20.—Pottery.

South Australian Brick Co., Brompton.—Fire-bricks, plain and fancy white; pressed and slop red bricks.

Class 21.—Carpets, Tapestry, and other Stuffs for Furniture.

Commissioners for South Australia, The.—Hearthrugs and mats, made of skins of colonial animals.

Neelsen, J. P., Adelaide.—Curled horse-hair.

Class 23.—Cutlery.

M'Lean Brothers, Rigg & Co., Adelaide.—Knives, &c., of South Australian manufacture.

Class 24.—Goldsmiths' and Silversmiths' Work.

Steiner, H., Adelaide.—Ornamental ware, in sterling silver.

Class 26.—Clocks and Watches.

Perryman, Mrs. E. M., Adelaide.—Marine clock, striking ships' bells.

Class 27.—Apparatus and Processes for Heating and Lighting.

Brown, O., C.E., Adelaide.—Model of patent ventilator and chimney-top, for preventing down-draught, and creating upward current of air.

Chambers, A. O., Adelaide.—Two "Perfect Cure" washing-machines.

Fischer, A., Adelaide.—"Star" washing-machine.

Gerner, F., Adelaide.—Hutton's washing-machines.

Gray, W. F., Adelaide.—Model of ventilator used in the public schools.

Simpson, A., & Son, Adelaide.—Bedsteads, patent stoves, portable copper, wine strainer.

West-Erskine, W. A. E., M.P., Adelaide.—Patent ventilator and room-cooler.

Class 28.—Perfumery.

Burford, W. H., & Sons, Adelaide.—Toilet soaps, silversmiths' and emery soaps.

Class 29.—Leather-work, Fancy Articles, and Basket-work.

Bennet, R. H., Morgan.—Emu eggs, carved and painted.

Commissioners for South Australia, The.—Basket-work, consisting of chairs, music-holder, and fruit-stands.

Cox, Miss E., Hampstead.—Bead-work on velvet.

Crabb, Miss B. A., North Adelaide.—Poonah painting—front of pole fire-screen.

Fiveash, Miss M. E., North Adelaide.—Flower painting on white velvet table-top.

Malpas, W. H., Adelaide.—Turnery.

Nelson, Mrs. & Miss, Port Adelaide.—Ornaments worked in seeds.

Tannert, O. E., Adelaide.—Basketware.

Tilney, Miss M. A., Adelaide.—Colonial seaweed, in leather-work frames.

Wadham, W., Adelaide.—Shell-work basket.

Class 31.—Thread and Fabrics of Flax, Hemp, &c.

Chamber of Manufactures, Adelaide.—Flax, and linen made therefrom; cotton.

Class 34.—Silk and Silk Fabrics.

Chamber of Manufactures, Adelaide.—Reeled and raw silk, and cocoons.

Thorup, E., Gawler.—Silk, twisted.

Wurm, F., Adelaide.—Reeled and raw silk, and cocoons.

Class 38.—Clothing for both Sexes.

Wills, G. R., & Co., Adelaide.—Boots and shoes.

Class 39.—Jewellery and Precious Stones.

Honnor, Rev. A. H., Woodforde.—White spinelle (crystallised ruby).

Steiner, H., Adelaide.—Jewellery.

Class 40.—Portable Weapons, and Hunting and Shooting Equipments.

South Australian Institute, The, Adelaide.—Native weapons and implements.

Class 41.—Travelling Apparatus.

Polhill, B., Adelaide.—Portmanteaus, &c.

Class 43.—Products of the Cultivation of Forests and of the Trades appertaining thereto.

Brown, J. E., Adelaide.—South Australian timber.
Cornish, J., & Co., Gorge.—Ground mimosa bark, mimosa powder, and bundle of stick bark.

Davenport, S., Beaumont.—Myall and sandalwood.

Hardy, Arthur, M.P., Mount Lofty.—Cork from *Quercus suber*, grown at Mount Lofty.

Peacock, W., & Sons, Adelaide.—Chopped bark, rough and fine ground.

Pflaum & Co., Blumberg.—Black wattle bark, ground for tanning purposes.

Schomburgk, R., Adelaide.—South Australian timber, comprising specimens of forest trees.

Wilke, H., & Co., Port Adelaide.—Ground wattle bark, wattle gum, Yacka gum.

Class 44.—Products of Hunting, Shooting, Fishing, and Spontaneous Products.

Bean Bros., Adelaide.—Stuffed birds.

Bright, C. E., M.P., Gawler.—Alligator's egg and shells, fossils.

South Australian Institute, The, Adelaide.—Collection of birds and native animals, stuffed.

Class 45.—Agricultural Products, not used for Food.

Anderson & Co., Adelaide.—Olive oil.

Angas, J. H., Collingrove.—Lincoln lambskin, dressed; samples of wool.

Barnard, G. L., Walkerville.—Olive oil.

Chiles, S., Unley.—Olive oil.

Davenport, S., Beaumont.—Olive oils.

Goyder, G., jun., Adelaide.—Almond, colza, linseed, and sunflower oils.

Hardy, T., Bankside.—Almond oil, olive oil.

Holtze, M., Palmerston.—Oils, ground-nut seed and plant; Upland cotton; Ramee fibre and tobacco.

Howell, J., Adelaide.—Olive oil.

Murray, J., Mount Crawford.—Wool.

Nitschke, W., Hackney.—Eucalyptus oil, oil of *Melaleuca uncinata*, and fusil oil.

Rogers, A. H., Ashburne.—Beeswax.

Sanders, J., & Co., Mount Crawford.—Wool.

Todd, C., C.M.G.—Wool grown off ration sheep at telegraph station in centre of Australia.

Class 46.—Chemical and Pharmaceutical Products.

Bickford, A. M., & Son, Adelaide.—Soda-water, lemonade, ginger ale, sarsaparilla, &c.

Burford, W. H., & Sons, Adelaide.—Yellow soap.

Centauri, A., Adelaide.—"Time" metal polish.

Conigrave, B. H. & N., Macclesfield.—Aërated waters, assorted.

Evans, W., Adelaide.—Boot varnish.

Hall, G., & Sons, Norwood.—Soda, seltzer, tonic, lemonade, sarsaparilla, &c.

Malpas, W. H., Adelaide.—Patent anti-ant compound.

Tidmarsh, J., Adelaide.—Stearine, stearine candles, soap.

Tocchi, A., Yorketown.—Salt—unrefined, fine, butchers', table, and lump.

Class 48.—Leather and Skins.

Commissioners for South Australia, The.—Rugs and skins of indigenous animals.

Green, J. J., Adelaide.—Leather—harness, sole, kids, calfskins, wallaby, basils, boot uppers.

Class 49.—Agricultural Implements and Processes used in the Cultivation of Fields and Forests.

Commissioners for South Australia, The.—Bone-dust and guano.

Dobbie, A. & J., Adelaide.—Broadcast seed-sower.

Martin, J., & Co., Gawler.—Damp weather reaping-machine, with patent bearings and axles; ordinary reaping-machine; chaff-cutters, &c.

Mellor Bros., Adelaide.—Double plough, with patent wheels and axles; pony reaping-machine.

Ramsay, J. G., & Co., Mount Barker.—Reaping-machines.

Class 50.—Apparatus and Processes used in Agricultural Works, and in Works for the Preparation of Food.

Adams, E. J., Adelaide.—Box and oval churn, oval miniature cask and vat.

Gerner, F. K., Adelaide.—Cheese vats.

Moody, T., Adelaide.—Churn, curd milk.

Warren & Hogarth, Mount Crawford.—Model of wool scourer.

Williams & Dixon, Adelaide.—Grape-mill.

Class 52.—Machines and Apparatus in general.

Bird, J., Adelaide.—Brassfounders' ware.

Hooker, J., Adelaide.—Boiler plates, iron castings.

Smith, C. A., Adelaide.—Machinery work.

Class 54.—Apparatus and Processes used in Spinning and Rope-making.

Tamlin & Coombe, Adelaide.—Manila and New Zealand hemp rope.

Class 60.—Carriages and Wheelwrights' Work.

Barlow, T., & Sons, Adelaide.—Landau carriage.

Cottrell, T. L., Adelaide.—Excelsior jump-seat buggy, Parisian phaeton, spring park barouche.

Ray, W. H., Adelaide.—Spider buggy.

Starnes, W., Kent Town.—Spider buggy, with lock under.

Class 62.—Railway Apparatus.

Hossack, D., Adelaide.—Model of Mansell's patent railway-carriage wheel.

Class 64.—Apparatus and Processes of Civil Engineering, Public Works, and Architecture.

Allen, J., Willunga.—Roofing-slates.

Commissioners for South Australia, The.—Building-stone.

Crozier, J., Adelaide.—Gypsum.

Erskine, W., Adelaide.—Model of breakwater.

Frew, J., Mount Gambier.—Freestone (white and grey), and red dolomite.

Gawler & Willaston Lime Co.—Lime.

Priest, T., Mintaro.—Flagstones.

Tocchi, A., Yorketown.—Gypsum, plaster-of-Paris.

Turner, J., Mount Torrens.—Limestone.

Vernon, C., Adelaide.—Plaster-of-Paris.

Class 66.—Materials and Apparatus for Military Purposes.

Downes, Col., R.A.—Model of projectiles, cartridges, and Moncrieff battery.

Class 67.—Cereals, Farinaceous Products, and Products derived from them.

Angas, J. H., Collingrove.—Purple-straw, white Lammas, and Tuscan wheat.

Brook, W., Woodchester.—Purple-straw, white wheat.

Commissioners for South Australia, The.—Wheat; Cape, Scotch, and English barley; Cape oats, rye, and field peas.

Cowan, J., & Co., Adelaide.—Flour.

Duffield, W., & Co., Gawler.—Flour, roller-made and ordinary.

Finck, C., Greenock.—Flour.

Frame, J., Mount Barker.—Oats.

Giles & Smith, Adelaide.—Flour.

Harrison, W., & Co., Port Adelaide.—Flour.

Holtze, M., Palmerston.—Hill rice, ninety-day maize, Egyptian corn, millet, arrowroot.

Kneese & Stoneman, Crystal Brook.—Flour from purple-straw wheat.

Magarey & Co., Adelaide.—Flour.
 Paterson, R., Smithfield.—Purple-straw wheat.
 Perryman, J., Koolunga.—"Scotch Wonder" wheat.
 Primrose, J., & Co., Adelaide.—Malt.
 Thomas, W., & Co., Port Adelaide.—Flour.
 Thyer, J., Belalie.—Gallaby's purple - straw and
 Frame's white Tuscan wheat.
 Venning, W. J., Crystal Brook.—Old red straw,
 white Lammas, and purple-straw wheat.
 Webb, A. W., Lyndoch Valley.—Flour.

Class 68.—Bread and Pastry.

Commissioners for South Australia, The.
 —Biscuits (various kinds).

Class 70.—Meat and Fish.

Bourbaud, E., North Adelaide.—Preserved meats.

Class 71.—Vegetables and Fruit.

Commissioners for South Australia, The.—
 Field peas.

Ethell, J., Adelaide.—Aniseed grown wild on banks
 of River Torrens.

Hackett, E. & W., Adelaide.—Peas, beans, &c.

Hardy, T., Bankside.—Raisins and currants; dried
 figs, prunes, apricots, apples, &c.; preserved olives.

Hay, Hon. A., Linden.—Raisins from 1879 vintage.

Robson, T. B., Payneham.—Muscatel raisins, in
 layers; pudding raisins.

Schomburgk, R., Adelaide.—Collection of fungi.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Amsberg, J. M., & Co., Kent Town.—Pickles.

Bickford, A. M., & Sons, Adelaide.—Cordials.

Bourbaud, E., Adelaide.—Jams.

Burton & Co., Adelaide.—Vinegar.

Hall, G., & Sons, Norwood.—Cordials.

Hammer, J., Adelaide.—Mushroom ketchup, tomato
 sauce.

Hardy, T., Bankside.—Vinegar, crude tartar, candied
 peel.

Holtze, M., Palmerston.—Sugar-cane.

Irwin & Miller, Adelaide.—Confectionery.

M'Ewin, G., & Sons, Glen Ewin.—Jams.

Nitschke, W., Hackney.—Boonekamp and stomach
 bitters, Kümmel.

Seppelt, B., Seppeltsfield.—Cordials.

Stark, C. A., Wirrabara.—Tomato sauce.

Terry, W. D., Belair.—Jams.

Whitehead, J., Mount Gambier.—Tomato sauce.

Class 73.—Fermented Drinks.

Auld, W. P., Auldana.—Wines—Muscatel, ruby;
 Muscat, ruby cup, &c.

Baker, R., Adelaide.—Wines—Madeiras, Shiraz,
 Morillion, liqueur (Frontignac).

Conigrave, B. N. & H., Macclesfield.—Ales.

Crompton, J., Stonyfell.—Wines—Sercial, Tokay.

Davenport, S., Beaumont.—Wines—Shiraz, Gren-
 ache, Sercial.

Elder, Sir T., Birksgate.—Wines—Birksgate Hermit-
 age, Madeira (Sercial), Port.

Faulding, F. H., & Co., Adelaide.—Sparkling
 wines.

Gilbert, J., Pewsey Vale.—Wines—Riesling,
 Carbinet, Frontignac.

Gilliard, J., Norwood.—Wines—Mataro, Shiraz,
 Constantia, Madeira, Sherry.

Goodier, W., & Co., Glanville.—Ales, porter.

Hardy, T., Bankside.—Wines—Riesling, Claret No.
 1, Sauvignon Blanc, Highercombe red, Shiraz,
 Muscat, Donzelhino.

Hay, Hon. A., M.L.C., Linden.—Wines—Tokay,
 Linden red.

Holbrook, J. D., Underdale.—Wines—Madeira,
 Shiraz, sherry, old light, port, red wine, old red.

Jacob, W., Moorooroo.—Wines—Verdeilho, Carbi-
 net, Shiraz, Frontignac.

Kaines, J. H., Adelaide.—Wines—Tokay, Verdeilho,
 Shiraz.

Knapman, W., Port Adelaide.—Porter, bottled.

Laura Brewery Co., Laura.—Bottled ale.

Linde, H., Adelaide.—Spirits of wine.

Nitschke, —, Hackney.—Old Tom gin, spirits of
 wine, brandy, rum, rum punch.

Penfold & Co., Magill.—Wines—Pedro Ximenes,
 Mataro, Grenache, red Madeira, Frontignac, Ver-
 deilho, Hermitage, Constantia, Muscadine, Tokay.

Salter, W., & Sons, Angaston.—Wines—Sweet
 wine, Nos. 1 and 2; sherry, port; Shiraz, Nos. 1
 and 2; sweet red, Constantia.

Seppelt, B., Seppeltsfield.—Wines—Blanquette de
 Limoux, A and B; Sherry, A and B; Frontignac,
 A and B; port, A and B; spirits of wine, brandy,
 whisky, ginger, and cherry brandy.

Smith & Sons, Yalumba.—Wines—Ruschilte,
 claret, sweet Frontignac, sherry, Constantia, Ver-
 deilho, Muscatel, port, and still Champagne.

S.A. United Vineyards Association, Ade-
 laide.—Wines—Riesling, Pedro Ximenes, Hock, Car-
 binet, Burgundy, claret, Madeira, Tintilla, Con-
 stantia, sherry, Muscatel, port.

White, E., Fullarton.—Wines—Doradilla, Pedro
 Ximenes, Palo Mino Blanca; Shiraz, A and B;
 Burgundy, port, Pomade, &c.

Wigg, R. H., & Sons, Adelaide.—Wines—Hocks,
 Doradilla, Verdeilho, Sauterne, Burgundy, claret,
 Shiraz, Muscat, sherry, port, old Constantia,
 Madeira, Tokay, Frontignac, &c.

Wood, A., Yankalilla.—Wines—Verdeilho, Seyras.

Class 78.—Fruit and Fruit Trees.

Commissioners for South Australia, The.
 —Seasonable fruits, renewed once a fortnight.

Hackett, E. & W., Adelaide.—Seeds of fruits,
 vegetables, &c.

Class 81.—Apparatus and Processes of the Art of Mining and Metallurgy.

Clark, F., & Sons, Adelaide.—Samples of tools and
 tubes for Artesian-well boring.

Martin, J., & Co., Gawler.—Warren and May's
 patent ore separator (model).

Sanders, J., Burra Burra.—Jigging machine and
 ore separator (model).

Class 82.—Mining and Metallurgy.

Angus, J. H., Collingrove.—Soils from Collingrove,
 Hill River, and Mt. Remarkable districts.

Atkinson, T., Willunga.—Soils, from Willunga.

Atyeo, F., Mt. Gambier.—Stalagmites, stalactites,
 fossils and lava, from south-east district of colony.

Brook, W., Woodchester.—Marl.

Cobbledick, F. B., Yorke's Peninsula.—Soils from
 the Hundreds of Maitland and Kalkeroon.

Cobbledick, J., Summerton.—Soils from Mt. Lofty
 Ranges.

Commissioners for South Australia, The.
 —Collection of minerals and mineral ores.

Crabb, R. S., Adelaide.—Malachite, from Burra
 Burra Mine.

Dobbie, A. & J., Adelaide.—Electro, nickel, and
 silver plating.

Edwards, J., Jamestown.—Soils, from Jamestown
 district.

English & Australian Copper Co., Port Ade-
 laide.—Smelted copper, in ingots, tiles, bars, &c.;
 copper ores.

Glen, G., Mayura.—Soils, from Rivoli Bay district;
 limestone biscuits.

Harvey, W. L., Salisbury.—Soils, from Para Hills
 and Plains.

Howell, G., Adelaide.—Meerschaum, found in
 Northern Territory; pipe and scarf-fastener made
 therefrom.

Jensen, O., Pine Creek.—Auriferous quartz speci-
 mens from exhibitor's claim.

Klein, E., Friedrichswelde.—Oilstones.

Price, E. W., Northern Territory.—Auriferous
 quartz specimens from Pine Creek and the Howley.

Riggs, J., Gawler.—Soils, from Barossa and Gawler
 districts.

Scott, J., Beautiful Valley.—Soils, from Beautiful
 Valley district.

Way, T. B., Adelaide.—Noble opal, found in South
 Australia.

Wallaroo Smelting Works, Proprietors of,
 Wallaroo.—Specimens, illustrating copper smelting
 at the Wallaroo smelting works.

TASMANIAN EXHIBITS.

Class 9.—Printing and Binding.

- Aikenhead & Button, Launceston.—Bookbinding, stereotype.
 Barnard, J., Hobart.—Journals of the Legislative Council and House of Assembly for 1879.
 Meredith, Mrs. C., Launceston.—Sixteen literary works, by exhibitor; ten illustrated, and eleven devoted to the natural and social history of Tasmania.

Class 13.—Musical Instruments.

- Owen, J.—Two barrels for self-acting organ.

Class 14.—Medicine, Hygiene, and Public Relief.

- Leitch, D., Launceston.—Dentist's pump.

Class 16.—Maps, and Geographical and Cosmographical Apparatus.

- Fenton, J., Launceston.—Illustrated History of Tasmania.
 Taylor, A. J., Hobart.—Geological map of Tasmania.

Class 17.—Cheap and Fancy Furniture.

- Andrews, Mrs. M. A., Hobart.—Table-tops, &c., of spatterie-work; banner screen, mounted.
 Brent, Miss R., Hobart.—Chess-table top, in Indian ink.
 Dowdell, Miss Amy, Hobart.—Table-top, with Australian birds.
 Hely, Miss, Hobart.—Cone frames.
 Hooper, G., Hobart.—Cone frame.
 Hope, Miss M., Hobart.—Huon-pine table-top, with wreaths of Tasmanian flowers, in water-colours.
 Hope, Miss L., Hobart.—Chess-table top of Huon-pine, painted in Indian ink and water-colours.
 Hull, Miss M. A., Hobart.—Table-top of Huon-pine, with wreath of Tasmanian flowers.
 Salisbury, J. E., Launceston.—Umbrella-stand.
 Way, T. B., Hobart.—Table-tops, boxes, &c., with Tasmanian ferns in spatterie-work.

Class 18.—Upholsterers' and Decorators' Work.

- King, T. F., Circular Head.—Miniature cabinet.

Class 20.—Pottery.

- Cornwell's Pottery Works, Launceston.—Articles of pottery.
 Norman, Rev. J.—Willow-pattern plate of 1780.

Class 29.—Leather-work, Fancy Articles, and Basket-work.

- Andrews, Mrs. M. A., Hobart.—Leather-work.
 Bridges Bros., Hobart.—Basket-work.
 Conroy, —, —.—Straw fly-cage.
 Dawson, Miss, Clarence.—Leather-work frame.
 Newton, E. E., & Sons, Cressy.—Black grain kip leggings.
 Room, Mrs., Mayfield.—Paper flowers.
 Walch Bros. & Birchall, Launceston.—Ferns and flowers.
 Wignall, B., Hobart.—Basket-work.
 Woods, C. J., Formosa.—Wood carving.

Class 33.—Woollen Yarn and Fabrics.

- Andrews, Mrs. M. A., Hobart.—crochet counterpane.
 Bulman & Johnston, Launceston.—Blankets, flannel, and tweed.
 Evans, Mrs., Long Bay.—Counterpane of Berlin wool.
 Garrard, Mrs., Macquarie Plains.—Worsted-work—"Arms of Tasmania."
 Harrison, Mrs., Hobart.—Bed-quilt of Berlin wool.
 Harrison, Misses, Hobart.—Sofa rug of Berlin wool, quilt.
 Kensington Hat Factory, Glenorchy.—Felt hats.

Class 35.—Shawls.

- Bulman & Johnston, Launceston.—Shawls.

Class 36.—Lace, Net, and Embroidery.

- Beedham, Miss, Hobart.—Lace-worked collar.
 Cato, Miss, Newtown.—Lace-work.
 Cleveland, Miss C., Launceston.—Lace-work.
 Huxtable, Miss, Hobart.—Honiton lace handkerchief.
 Lovett, Miss, Hobart.—Tatting.
 Maddock, Miss R. E., Hobart.—Lace-work collar; pillow lace, with bobbins.
 Shemmelhaack, Miss.—Worked vest.
 Tanner, Miss M., Hobart.—Lace-work collar.
 Thornton, Mrs. W., Hobart.—Pair frames of chenille-work, blue-gum and wattle flowers.
 Windsor, Miss Kate, Sandy Bay.—Embroidery.

Class 39.—Jewellery and Precious Stones.

- Bradshaw, J. W., Launceston.—Flinders Island diamonds.
 Gillon, J., Hobart.—Topazes, agates, cornelians, from Cornelian Bay cemetery.

Class 41.—Travelling Apparatus.

- Webster, A., Launceston.—Travelling-box, travelling-trunk, Gothic trunk, baths.

Class 43.—Products of the Cultivation of Forests and of the Trades appertaining thereto.

- Barrett, J., Launceston.—Willows.
 Bridges Bros., Hobart.—Willows.
 Commissioners for Tasmania.—Timbers.
 Douglas, A., M.H.A., Launceston.—Veneers of Tasmanian wood; blackwood plank, polished.
 Elliott, G. B., Hobart.—Blackwood plank.
 Firth, J., Launceston.—Wattle-bark.
 Grubb Bros., Hobart.—Wattle-bark, in three stages of preparation.
 Hooper, G., Hobart.—Huon pine, for veneers.
 Jones, J., Launceston.—Willows.
 Laing, W., Launceston.—Myrtle for veneers.
 Macquarie, L., Hobart.—Whaleboat of Huon pine, fitted for use, with bomb-gun, lances, lines, &c.
 M'Gregor, Hon. A., M.L.C., Hobart.—Casks made from blackwood, by Johnston and Burgoyne.
 Mitchell, Miss, Lisdillon.—Gum from Oyster Bay pine-trees.
 Risby, J. E., Hobart.—Tasmanian hardwood timbers.
 Rout, W. J., Launceston.—Brushware.
 Royal Society of Tasmania.—27 veneers of Tasmanian woods, and specimens of timbers.
 Scott, J., Launceston.—Willow logs.
 Smith, J., Westwood.—Pine, from the River Forth.
 Stephens, T., Hobart.—Woods of Tasmania.
 Tatlow, A., Circular Head.—Blackwood oil staves.
 Waugh, —, Launceston.—Fret-work frames.
 Wignall, B., Hobart.—Willows.

Class 44.—Products of Hunting, Shooting, Fishing, and Spontaneous Products.

- Birchall, A., Launceston.—Furs of silver-grey opossum, muff of black swan-down, seal-skins.
 Blyth, H. W., Campbelltown.—Birds' eggs.
 Collins, D., Evandale.—Stuffed birds.
 Dean, E., Marchington.—An owl.
 Gardner, —, Deloraine.—Black opossum rugs, grey opossum rugs.
 Gleadow, R. S.—Native tiger, eagle, and opossum.
 Gunn, J., M.H.A., Hobart.—Deer's head.
 Hull, H. T., Swansea.—Tasmanian birds' eggs.
 M'Gregor, Hon. A., M.L.C., Hobart.—Sperm oil.
 Morant, Mrs., Brighton.—Opossum tail rug.
 Reed, F. H., Launceston.—Birds' eggs.
 Rout, W. J., Launceston.—Hair.
 Royal Society of Tasmania, Hobart.—Tasmanian devils (two females and young).
 Salmon Commissioners, Tasmania.—Salmon.
 Templar, W., Perth.—Muffs, victorine and cuffs of Angora wool.
 Thomas, T. W., Launceston.—Mountain ducks.
 Walden, J., Launceston.—Seal oil, yola oil, yola tallow, marine shells.

Class 46.—Chemical and Pharmaceutical Products.

Murray, W., Glenorchy.—Candles and soap.
 Pregnell, J., Hobart.—Tallow candles, white and coloured.
 Royal Society of Tasmania, Hobart.—Oil, distilled in 1866 from blue-gum leaves (*Eucalyptus globulus*).
 Simpson, H., Hobart.—Soap and candles.

Class 48.—Leather and Skins.

Brown, W., Longford.—Leather and skins.
 Button, W. B., Leven.—Dressed kangaroo skins, side of kipine leather.
 Newton & Son, Cressy.—Kangaroo, wallaby, deer, and black, grey, and rock opossum skins.

Class 49.—Agricultural Implements and Processes used in the Cultivation of Fields and Forests.

Crawford, H., Evandale.—Sets of zigzag harrows, heavy, medium, and light.
 Roberts, H., Long Bay.—Fish manure.

Class 52.—Machines and Apparatus in general.

Thomas, D., Perth.—Horse-shoeing and sheep-marking instrument, and garden clipper.

Class 67.—Cereals, Farinaceous Products, and Products derived from them.

Abbott, W. H., Launceston.—Malt.
 Allwright, T., New Norfolk.—Hops of 1880.
 Bowman, F. J., Cheshunt.—Grass seeds.
 Collins, D., Evandale.—English barley, peas.
 Cox, J., Clarendon.—Tartarian oats.
 Dalgety, Moore & Co., Launceston.—Wheat (four descriptions), Cape barley, oats.
 Degraives, C. & J., Hobart.—Hops of 1880.
 Dossetor, W. J., Hobart.—Wheat and flour, two descriptions.
 Downie & Son, New Norfolk.—Hops of 1880.
 Edginton, T., Launceston.—Early Angus, fox-tail, and white Tartarian oats; peas, golden and grey tares.
 Fletcher, M., Isis.—Wheat, grass seeds (Italian and English).
 French, J., Glenore.—English rye-grass.
 Gibson, W. G., Hobart.—Wheat and flour.
 Hall, J., Deloraine.—Wheat (two descriptions).
 Hingston, H. J., Glenore.—Wheat, grass seeds.
 Hingston, W. J., Butleigh.—Wheat and peas.
 Horne, R., Exton.—Oats, sparrowbill.
 Jeffery, R., New Norfolk.—Hops of 1880.
 Mackenzie, A., Valleyfield.—Wheat, Braemer.
 M'Kinnon, D., Dalness.—Wheat, Braemer.
 Monds, T., Carrick.—Oatmeal, flour, split peas.
 Moore, J. A., New Norfolk.—Hops of 1880.
 Nicholson, H., New Norfolk.—Hops of 1880.
 Nicholson, R., New Norfolk.—Hops of 1880.
 Nicholson, T., New Norfolk.—Hops of 1880.
 Pitt, T. & G., Hunting Ground.—Wheat, Armstrong's prolific; Chevalier barley.
 Read, R. C., Redlands.—Hops of 1880.
 Reed, F. H., Evandale.—Wheat, peas, oats.
 Ritchie, D., Launceston.—Oats, oatmeal, pearl barley, split peas, groats.
 Sharland, W. C., New Norfolk.—Hops of 1880.
 Shoobridge Bros., Valleyfield.—Hops of 1880.
 Smith, J. L., Cambock.—Oats.
 Walden, J., Launceston.—Horse-beans, peas.
 Wilmore, J., Longford.—Chevalier barley, grass seeds, cob, and Braemer wheat.

Class 69.—Fatty Substances used as Food. Milk and Eggs.

Dawson, W. C., Launceston.—Cheese.
 Lade, W., St. Mary's.—Cheese.
 Stewart, R., Pardoe.—Cheese.
 Woodberry, J., Exton.—Cheese.

Class 70.—Meat and Fish.

Joyce, J., Launceston.—Hams and bacon; two pigs cured whole.

Class 71.—Vegetables and Fruit.

Boyes, J., Circular Head.—Potatoes.
 Horne, R., Exton.—Potatoes.
 Commissioners for Tasmania.—Wax models of apples and pears.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Bonnily, Miss, Dunorlan.—Assorted jellies.
 Haywood, C. D., Hobart.—Biscuits and confectionery.
 Hickman, R., Providence Valley.—Jams, jellies.
 Stewart, Mrs., Launceston.—Preserved currants.

Class 73.—Fermented Drinks.

Abbott, W. H., Fawns's Brewery, Launceston.—Ale and beer, in bulk.
 Appleyard, Dr., Longford.—Gooseberry wine.
 Brewer, A., Bowood.—Mead.
 Crowther, Dr. E. L., Hobart.—Acid syrups.
 Degraives, C. & J., Hobart.—Ale, in bulk.
 Dilger, C., Swansea.—Grape wine (one year old).
 Glenwright & Boag, Launceston.—Ale, bottled.
 Horne, R., Exton.—Gooseberry wine of 1859.
 Kelly & Gordon, Hobart.—Aerated waters, cordials, and table vinegar.
 Mitchell, J. C., Hobart.—Bottled ale.
 Noake, Mrs., Longford.—Bottled ale.
 Seabrook, G. S., Hobart.—Cider.
 Stewart, D., Launceston.—Grape wine.
 Weaver & Co., Hobart.—Aerated waters, cordials.

Class 82.—Mining and Metallurgy.

Bishton, W., Torquay.—Freestone.
 Butler, F., Hobart.—Freestone, from Brighton.
 Butler, R. W., Hobart.—Freestone, from Taylor's Bay.
 Coote, A., M.H.A., Hobart.—Coal, from Mount Nicholas and Fingal.
 Commissioners for Tasmania, Hobart.—Stone trophy of building-stones; granite, marbles, freestone, and bluestone.
 Commissioners for Tasmania, Launceston.—Minerals; tin, from Mount Bischoff.
 Crawford, H., Evandale.—Horse-shoes.
 Dooley, J. M., Latrobe.—Minerals.
 Edgell, H., Launceston.—Slate.
 Gillon, J., & Sons, Hobart.—Freestone, from Kangaroo Point; grindstones; limestone, from Bridgewater.
 Glover, C. A., Huon.—Honestone.
 Gregory, J., Hobart.—Freestone, from Hestercombe.
 Gould, R., Longford.—Granite and freestone, grindstone, pipeclay, sharpening-stones.
 Hainsworth & Shirt, Latrobe.—Fossils.
 Hyatt & Son, Hobart.—Brass locks.
 Kermode, W. A., Mona Vale.—Freestone.
 Lavers, Rev. J., Longford.—Fossils.
 Lawson, G., Longford.—Petrified woods.
 Lyell & Gowan, Melbourne.—Tasmanian slate, black marble, smelted tin ore; tin, from the Don.
 Moir, J. G., Queenborough.—Chilled and patent shot.
 Nolan, J., Latrobe.—Dysodile.
 Pearson & Downie.—Freestone, from Spring Bay.
 Rayner, E., Bridgewater.—Limestone and fossils, from Bridgewater.
 Reilly, —, Latrobe.—Coal, from Tarleton quarry.
 Reynolds, E., Hobart.—Freestone, from Providence Valley.
 Richards, T. M., Ross.—Freestone, from Ross; grindstone.
 Robinson, R., Okehampton.—Devonian marble, from Maria Island; freestone, grindstones.
 Scott, D. F., Pieman River.—Gold.
 Scott, J., M.H.A.—Flint weapons of aborigines.
 Shaw, B., Launceston.—Fossils.
 Shield, R., Hobart.—Freestone, from Teatree.
 Simson, A., Launceston.—Alluvial gold.
 Smith, J., Westwood.—Minerals.
 Stieglitz, F., Launceston.—Coal.
 Town Surveyor, Launceston.—Road metal.
 Wiggins, R. B., Hobart.—Stone, from Stringybark quarry.

VICTORIAN EXHIBITS.

Class 6.—Education of Children, &c.

- Axford, E. L.**, Echuca.—Specimens of Pitman's phonography.
Axford, E. P., Echuca.—Specimens of Pitman's phonography, and 106 other systems.
Bartlett, S., Richmond.—Specimens of penmanship. The text an account of the early history of Victoria.
Blundell, J. J., Brighton.—Statistical chart of the Great Exhibition, 1851 (loan).
Bolger, H., Carlton.—Cardboard model of State-school.
Broad, W. H., Prahran.—Shorthand writing.
Clark, H., Kensington.—New system of book-keeping.
Department of Education, Melbourne.—
 BUILDING.—Ordinary country school, for sixty children, with teachers' quarters (four rooms).
 FURNITURE AND SCHOOL APPARATUS. Complete.
 LESSON-BOOKS and REQUISITES supplied by the Department. Complete set.
 SCHOOL RECORDS. Complete set.
 SCHOOL WORK.—Samples of penmanship, needle-work, mapping, drawing, notes of lessons, &c.
 TIME TABLES, approved samples of.
 TRAINING.—Complete set of books supplied; samples of examination papers.
 PAPERS.—Acts, regulations, circulars, forms, annual report 1879-80, teachers' certificates, &c.
 MISCELLANEOUS.—Model of State-school building to be erected in Hotham; photographs and drawings of State-school buildings; map showing number and position of State-school buildings throughout the colony.
Jones, D., Carngham.—Manuscript music.
Mackay, P. F., Emerald Hill.—Shorthand writing.
M'Naughtan, J. D., Richmond.—Commercial reckoning and calculating tables.
Meyer, A., North Fitzroy.—Original music, copied in pen-and-ink.
Miles, J. E., Fitzroy.—Shorthand.
Patten, E. S., Kew.—Harmony simplified.
Roberts, J. H., Wedderburn.—Arithmetical card, with explanatory pamphlet.
Stewart, J. E., Melbourne.—Placard of directions for saving life; for the use of schools.
Victoria Sunday-school Union, Melbourne.—Models and plans of Victorian Sunday-schools. Models of school furniture.

Class 9.—Printing, Books.

- Allan & Co.**, Melbourne.—Printed music.
Arnall & Jackson, Melbourne.—Legal and other publications. Specimens of printing, lithography, embossing, &c.
Asher, A., Richmond.—*Richmond Guardian*.
Azzopardi, A. J., Melbourne.—Poster blocks of Kauri and Huon pine; posters, labels, &c., printed in colours. Awarded Third Order of Merit for Block Printing. Mr. Azzopardi also took First Prize for Poster Blocks and Colour Printing at the Melbourne and Philadelphia Exhibitions, 1875-6. (See advt., page xv.)
Capper, R., Northcote.—Printed and manuscript dramas.
Cole, E. W., Melbourne.—Picture-books for children.
Deputy Postmaster-General, Melbourne.—Specimens of stamps.
Dixon, W. F., & Co., Melbourne.—Printed music.
Glen, W. H., & Co., Melbourne.—Musical publications.
Jack, A., & Co., Melbourne.—Printing. Paper bags. Stationery.
M'Carron, Bird & Co., Melbourne.—Printed books. Newspapers, Circulars, Cards, &c.
Marshall, W., Melbourne.—Specimens of printing.
Mason, Firth & M'Cutcheon, Melbourne.—Books, and specimens of newspaper and miscellaneous printing.
Nicholson & Ascherberg, Melbourne.—Musical publications.

- Niven, F. W.**, Ballarat.—Lithographic printing.
Perkins & Co., Melbourne.—Illustrated publications.
Schorer, A., Fitzroy.—Descriptive album, with maps and photographs explanatory of trigonometrical exhibits.
Schuhkrafft & Co., Melbourne.—Printed papers. Paper bags.
Smith, T., Fitzroy.—Litho-machine printing.
 The Fine Art Jury (Section I., page 22) awarded Honourable Mention to Mr. Smith for his exhibit, which consisted of a Combined Type and Litho Printing Machine, in operation. This was the first time any such machine had been shown in Melbourne.
Troedel, O., & Co., Melbourne.—Litho. printing.
Walch, G., Melbourne.—Illustrated books. "Victoria in 1880."
Ware, W., Fitzroy.—Bottle labels.
Weigel, Madame, Melbourne.—Weigel's Journal and Catalogue of Fashion.

Class 10.—Stationery, Bookbinding, Painting and Drawing Materials.

- Arnall & Jackson**, Melbourne.—Lithogram.
Buxton, J., Melbourne.—Artists' materials—easels, crayons, drawing-boards, models, &c.
Clark, W. T., Melbourne.—Rubber stamps.
Coltman, E., Melbourne.—Patent dating-stamps.
Cooke, S., & Co., Melbourne.—Printing inks.
Cowan & Co., Melbourne.—Account-books. Blank books, &c.
Detmold, W., Melbourne.—Bookbinding. Account books. Machine-ruling. Pocket-books, &c.
Empress Chemical Works, Melbourne.—Writing inks.
Ewing, T. A., Melbourne.—Marking ink.
Fox, C. J., Melbourne.—Cardboard mounts.
Frame & Co., Melbourne.—Plain and fancy boxes for drapers, hatters, stationers, chemists, &c. Manufactory:—Corner of Flinders and Russell streets, Melbourne.
 In their report on this exhibit, Jury Section IV. stated that—"Frame and Co., Melbourne, produced excellent articles, the ornamentation being by choice specimens of chromo-lithography, plain and embossed, and displayed great taste in the arrangement; the finish of the goods was first-class, and the lids fitted perfectly. Awarded First Order of Merit (Bronze Medal)."

- Graham, G. L.**, Melbourne.—Writing inks.
Harratt, H., Melbourne.—Copying-presses.
Malett, J., Windsor.—Ink.
Penal Establishment, Coburg.—Bookbinding.
Ramsden, George, Melbourne; Paper Mills: Prince's-bridge.—Printing papers, white and coloured; wrapping papers.
 In their report on this exhibit, Jury Section IV. stated—"George Ramsden, of Melbourne, also had well-made PAPERS for NEWS and BOOKWORK; also coloured printings, which were pure in colour and free from clay. Awarded First Order of Merit for Printing Papers (Silver Medal). He likewise exhibited first quality WRAPPING PAPERS, which were exceptionally free from clay. They were made from good stock, and were of very fine colour. Awarded First Order of Merit for Wrapping Papers (Bronze Medal)."

- Mr. George Ramsden has also received the following awards for Paper:—London International Exhibition, Melbourne, 1872-3 (Silver Medal); Metropolitan Intercolonial Exhibition, Sydney, 1875 (Bronze Medal); Intercolonial Exhibition, Melbourne, 1875 (Silver Medal); and at the International Exhibition, Philadelphia, 1876, Certificate of Award.
Roeszler, C. G., Melbourne.—Patent self-inking endorsing-stamp. Rubber stamp.
Sands & M'Dougall, Melbourne.—Vellum-bound account-books. Envelopes. Pocket-books.
 In their report the Jury (Section IV.) stated that "The largest exhibit of this class in the Exhibition was that of Sands and M'Dougall, Melbourne. It

occupied four large show-cases and several smaller ones, and consisted of account books, publications, electrotypes and stereotypes, chromo and general lithography, embossing, engraving, and a fine assortment of fancy repp, cream-laid, blue-laid, and other envelopes. The ACCOUNT BOOKS of this firm were of an especially excellent character; they were well sewn, opened flat, and the paging was unexceptionally good. In publications they exhibited principally their Australian diaries, which compare favourably with those of well-known English publishers; and their SCRIBBLING DIARIES are not excelled anywhere. The exhibits of electrotypes and stereotypes were very good. The engraving, embossing, chromo and general lithography, consisting of seals, monograms, cheque forms, scrip, acceptance and other forms, the Australian copy-books, as well as the annual presentation chromos of the Art-Union of Victoria, are all excellent. The Jury have recommended Messrs. Sands and M'Dougall for the Emperor of Germany's Prize, as the most meritorious colonial exhibit coming under their examination."

Messrs. Sands and M'Dougall received FOUR First Awards for this exhibit, viz.:—For Account Books (Silver Medal); for Electrotypes and Stereotypes (Silver Medal); for Chromos and General Lithography, Embossing and Engraving (Silver Medal); and for Publications (Bronze Medal).

Whitehead, E., & Co., Melbourne.—Embossing, engraving, &c.

Wimble, F. T., & Co., Melbourne.—Lithographic and printing inks. Varnishes. Combined chase, tympan, and frisket, as used in the Stamp Printing Branch of the Melbourne General Post Office, for economising time and labour in changing the various denominations of stamps on the press. It was designed by J. P. Atkinson, Esq., Controller of Stores and Printer to the Post Office and Telegraph Department, and manufactured for the Department by the Exhibitors.

Messrs. F. T. Wimble and Co. obtained a First Order of Merit (Silver Medal) for their Varnishes, and awards for Printing Inks.

Class 11.—General Application of the Arts of Drawing and Modelling.

Alexander, A., Melbourne.—Longitudinal section of gasworks.

Anderson, J., Melbourne.—Heraldic and general engraving, on ivory and soft steel. Carved metal monograms. Heraldic paintings.

Brabson, W., Melbourne.—Models of figures.

Byrne, J. P., Collingwood.—Box of geometrical drawing models.

Christie, J. P., Echuca.—Ornaments in ebonite and cocoanut. Carved emu eggs.

Fullerton, G., Carlton.—Front and side elevations of yacht-engines.

Harding, R., Hotham.—Water-colour drawing of a locomotive engine.

Harper, C., Melbourne.—Heraldic blazonry.

Kelly, R., Fitzroy.—Longitudinal section of gasworks.

Lennon, H., North Melbourne.—Paintings and drawings, on agricultural subjects.

Lezza, S., Carlton.—Plaster models for confectioners.

Mahoney, F.—Plaster medallion and ventilators.

Manuel, R., Hotham.—Drawings of triturating-amalgamating and gold-saving machine. Builders' scaffold.

Mowling, G., Windsor.—Drawings of compound marine engines.

Munro, D., & Co., Melbourne.—Drawings of Victory windmill and machinery.

Murphy, E., Emerald Hill.—Ornamental plaster-work.

Murphy, E. F., jun.—Plaster model of a fountain.

Penal Establishment, Coburg.—Bone carving.

Rigby, E. J., Melbourne.—Longitudinal elevation of passenger steamer. Drawing of sugar-refining machinery.

Robertson, A., Emerald Hill.—Longitudinal section and elevation of brewery.

Roeszler, C. G., Melbourne.—Engraving in relief.

Rowlands, Melbourne.—Engraving and enamelling on metals.

Sands & M'Dougall, Melbourne.—Impressions from steel dies.

Stevenson, T., Melbourne.—Heraldic painting.

Trembling, G., Geelong.—Plans and designs for greenhouse.

Twentyman, A. C., Richmond.—Heraldic painting.

Twentyman, G. O., & Son, Richmond.—Heraldic engraving on stone, and heraldic die-sinking.

Waters, S. T., Yarraville.—Copy of water-wheel.

Whitehead, I.—Die-sinking and embossing.

Class 13.—Musical Instruments.

Bear, R. L., West Melbourne.—Banjo.

Brown, J., Carlton.—Violins and bows.

Brown, W. J., Melbourne.—Violins by ancient makers.

Close, J. S.—Cottage pianoforte, trichord check-action, seven octaves, in walnut-wood case, and electroplated sconces, fittings, &c.

Dow, W. H., Emerald Hill.—Violins.

Fuller, A., Kew.—Organ.

Gilmore, K., Carlton.—Bagpipes. Violins.

Haughton, C., Carlton.—Banjo, mounted in electroplate.

Haughton, J. T., Carlton.—Banjo.

James, S. W., Richmond.—Violin.

Marriott, J. W., Melbourne.—Banjo.

Peacock, T., Carlton.—Violins.

Perry, J., Melbourne.—Drum-hoops.

Weatherill, T., Richmond.—Pianofortes.

Whitelaw, J., Emerald Hill.—Banjo.

Class 14.—Medicine, Hygiene, and Public Relief.

Aitchison, E., Carlton.—Ladies' surgical appliances.

Armstrong & Gallagher, Melbourne.—Artificial limbs. Orthopedic instruments. Trusses. Belts.

Atkinson, E. K., Melbourne.—Surgical appliances for ladies. Belts. Corsets.

Bennet, F., Melbourne.—Parlour gymnasium, for the practice of muscular exercises.

Birkmyre, W., Melbourne.—Purified Yan Yean water.

Brown, D., Carlton.—Drawing, and key, of the anatomy of a horse.

Burston, L., Melbourne.—Surgical boots.

Callia, I., Carlton.—Ladies' surgical appliances.

Chambers & Clutten, Melbourne.—Dripstone filters, &c.

Chatfield, A. W., Fitzroy.—Specimens dentistry.

Crisp, H., Ballarat East.—Medical coils.

Dahlke's Filter Co., Melbourne.—Dahlke's filters. Wine coolers. Ice chests.

Danks, J., Melbourne.—Baths. Closets. Urinals.

Draper & Sons, Melbourne.—Huon-pine patent earth-closet commode, with pull action; ditto in deal, self-acting.

Duncan, G., & Co., Melbourne.—Water purifier.

Fouracre, T., & Son, Fitzroy.—Disinfecting earth-closet, self-acting.

Gilbrook Pottery, Brunswick.—Filters.

Gunn, Mrs., Ballarat.—Ladies' surgical appliances.

Gunn, W. R., Ballarat.—Surgical instruments. Trusses. Artificial limbs. Appliances for treatment of deformity.

Heath & Kernot, Melbourne.—Mechanical dentistry, apparatus used in construction of artificial teeth.

Higgins, J. F., Melbourne.—Patent disinfecting commodes and closets.

Holt, J. G., Carlton.—Stoneware water filters.

Jeans, S. E., St. Kilda.—Cedar plunge-bath.

Jones & Co., Melbourne.—Surgical instruments and appliances.

Knight, G., Melbourne.—Galvanic medical appliances. Lung-testing apparatus.

M'Lean Bros & Rigg, Melbourne.—Portable Turkish bath.

Middleton, A. G., Melbourne.—Filters. Demi-johns. Majolica fountain.

Mitchell, G., F.R.C.V.S., Melbourne.—Veterinary implements. Inoculating lymph. Skulls. Veterinary plates.

Romanis & Cooper, Melbourne.—Artificial teeth.

Simmons & Dwyer, Melbourne.—Artificial teeth, palates, nostrils, and noses.

Stevens, H., Melbourne.—Artificial teeth and mechanical dentistry.
 Timperley Bros., Richmond.—Improved filters.
 Wilson, Corben & Co., Melbourne.—Enamelled baths, lavatories, &c.

Class 15.—Mathematical and Philosophical Instruments.

Barton, R., Royal Mint.—Dividing machine, divided glass tubes, &c.
 Crisp, H., Ballarat East.—Microphones.
 Gaunt, T., Melbourne.—Surveying, meteorological, and scientific instruments. Microscopes, telescopes.
 Jennings, J., Melbourne.—Spectacles. Eye-glasses.
 Joseph Bros., Melbourne.—Microscopes. Equatorial telescopes. Astronomical chronograph, &c.
 Kilpatrick & Co., Melbourne.—Optical instruments. Theodolites. Levels. Compasses.
 Myers, W., Melbourne.—Georemeter, &c.
 Rasche, W., C.E., Melbourne.—Planimeter.
 Trowbridge, J. F. & G. F., Richmond.—Microscopic objects and specimens.
 Wood & Co., Melbourne.—Triple and prismatic dissolving view apparatus. Improved aneroids.

Class 16.—Maps, and Geographical and Cosmographical Apparatus.

Bland, R. H., Clunes.—Plans and views of the Port Phillip and Colonial G.M. Co.
 Davidson, R., Ballarat.—Map of Ballarat, showing "deep leads."
 M'Coll, H., M.L.A., Melbourne.—Map of Victoria, showing its canalisation.
 Mines, Department of, Melbourne.—Geological maps, as per departmental catalogue.
 Parker, W., Walhalla.—Plan of chamber and machinery of the Long Tunnel Extended G.M. Co., Walhalla.
 Queen G.M. Co., Black-hill Flat, Ballarat.—Sectional plan of underground workings.
 Rosales, H., Walhalla.—Plan of machinery used in his process of gold extraction at the Walhalla G.M. Co.
 Sale Borough Council, Gippsland.—Photograph of the Artesian well outlet at Sale.
 Sandhurst School of Mines.—Plans of workings and crushing and winding gear of the Pandora Co., Garden Gully line of reef.
 Sandridge, Borough Council of.—Illuminated statistics of the borough.
 Serjeant, R. M., Ballarat.—Views of Band of Hope and Albion Consols works, &c.
 Wright & Edwards, Melbourne.—Sections of bores by their water-auger.

Class 17.—Cheap and Fancy Furniture.

Alcock & Co., Melbourne.—Billiard-table, carved mouldings, of figured blackwood, patent adjusting toes, lamp, complete, &c.
 Bailey, Ann, Brunswick.—Table.
 Baker J., Emerald Hill.—American clothes-hanger. Linen-press.
 Bell Bros., Richmond.—Pedestal library table, of Australian woods.
 Bennett, J., Melbourne.—Enclosed console sideboard, in Australian woods.
 Brown, E., Benalla.—Furniture, with improved castors.
 Cohen Bros., Melbourne.—Huon-pine and blackwood bedroom suite, Oriental drawingroom suite.
 Dellett, W., Hotham.—Wicker chairs, made of Tasmanian willows.
 Dillon, P., Geelong.—Draught-table.
 Gabell, W. J., Sandridge.—Chess-table.
 Gottliebse, T., Melbourne.—Pavilion.
 Hickson, J., Melbourne.—Child's cot, of colonial woods.
 Jones, J., Carlton.—Drawingroom aviary.
 Lachal, G., Melbourne.—Sideboards.
 Leach, C., Carlton.—Table-top.
 Lording, H., Hotham.—Fancy dressing-table, made of Australasian woods.
 Lyster & Cooke, Melbourne.—Fenders.
 M'Ewan, J., Melbourne.—Diningroom, library, and bedroom furniture.

M'Lean Bros. & Rigg, Melbourne.—Luncheon-table. Folding-chairs. Garden-seats. Spring mattresses.

Plumridge, I., Richmond.—Wood and cane seated chairs.

Rowland, T., Carlton.—Inlaid table.

Sheedy, J., Richmond.—Inlaid loo-table.

Stanway, W., South Yarra.—French bedsteads, with spring mattresses, easy chairs, couch.

Steimble, A., Melbourne.—Suite of furniture.

Steinfeld, Levinson & Co., Melbourne.—Furniture. Cane summer-house and furniture.

Sturrock, A. W., jun., Carlton.—Loo-table.

Tieman, F., Melbourne.—Inlaid circular table.

Trapp, A., Williamstown.—Model chest of drawers. Spiral staircase.

Trapp, C., Williamstown.—Chest of drawers, wardrobe.

Trapp, L., Williamstown.—Secretaire bookcase.

Wadley & Teychener, Collingwood.—Spring mattress.

Wadley, J., Collingwood.—Brass-mounted iron bedsteads.

Wallach Bros., Melbourne.—Furniture. Bedsteads.

Watts, W. K., Melbourne.—Inlaid table-tops.

Wehsack, F., Melbourne.—Cedar wardrobe.

White, J. T., Geelong.—Veneered chest of drawers.

Class 18.—Upholsterers' and Decorators' Work.

Bennett, G. R., South Yarra.—Inlaid marble table.

Blight, C., Collingwood.—Fancy brackets.

Blogg & Sons, Jolimont.—Gilding and lettering on glass.

Bolton, J., Richmond.—Imitation graining in oak, cedar, marble, &c.

Brooks, Robinson & Co., Melbourne.—Embossed mirror, ebonite and gold.

Campi, A., Melbourne.—Mirror, in gilt frame.

Carr & Sons, Melbourne.—Venetian and other window-blinds.

Carter, J., Emerald Hill.—Grained panels.

Cohen Bros. & Co., Melbourne.—Upholstery and cabinet work.

Curtain, J., Fitzroy.—Carved and inlaid Gothic mantelpiece, in various woods.

Drewe, J., & Son, Windsor.—Grained door. Decorative panel.

Fuller, V., Richmond.—Decorative panels.

Heathcote, T. S., Carlton.—Imitation woods and marbles.

Heinzle, J., Collingwood.—Upholstery.

Henderson, D. M., Carlton.—Carved frame, for mantelpiece mirror.

Huxley, Parker & Co., Melbourne.—Carved marble mantelpieces. Marble table-tops.

M'Neil, T. H., Melbourne.—Console table, with pier mirror attached. Picture-frames. Cornices.

Musschialla, L., Melbourne.—Pier-glass.

Norman, W. J., Melbourne.—Picture-frames. Mouldings, &c.

Radley, W. B., Ballarat.—Scagliola work-table.

Robertson, F., Melbourne.—Drawingroom folding-screens, with pictorial and allegorical designs.

Rocke, W. H., & Co., Melbourne.—Pavilion of art furniture and decorations. Awarded First Order of Merit (Silver Medal) for Drawingroom, Diningroom, and Bedroom Furniture; also, recommended for the Emperor of Germany's Prize. (See Jury report, page 78.)

Rogers, W. F., Fitzroy.—Ornamental figures. Frames.

Slater, E., Hawthorn.—Settee. Easy chairs.

Sommer, J. C., Carlton.—Painted decoration for walls, &c.

Thallon, J. & T., Melbourne.—Console table and glass. Jardiniere and girandoles. Chimney-frames. Cornices. Chimney-glasses.

Waters, S. T., Yarraville.—Decorative panel, mantelpieces, and door grained in imitation of woods and marble.

Watson, W., Upper Macedon.—Rustic tables. Rustic picture-frames, &c.

Whitehead, I., Melbourne.—Gilt pier-glass and table, window cornices, brackets, picture-frames. Looking-glasses.

Whitelaw & Blair, Melbourne.—Console tables. Mirrors. Brackets. Cornices. Mouldings and other house decorations. Awarded First Order of Merit (Silver Medal).

In their report on this exhibit, Jury Section IX. stated that the "designs for interior decorations, finished articles of furniture, specimens of mouldings and objects moulded in composition, and lettering on glass, exhibited by Messrs. Whitelaw and Blair, evinced excellent art workmanship." The factory and warehouse, which are very extensive, are on the Sandridge-road. At the factory is carried on the process of silvering plate-glass, both by the new patent process as well as by the old mercurial process; the tables are so extensive that they are able to silver plates of glass 144 inches by 80 inches. This firm also bevels the edges of glass—a new feature recently added; this work is done by steam power. Specimens can be seen in all the principal furniture warehouses in Melbourne. Messrs. Whitelaw and Blair are also prize-takers at the following Exhibitions:—Geelong Exhibition, 1857; Ballarat Exhibition, 1866; Melbourne Exhibition, 1866; Ballarat Exhibition, 1869; Melbourne Exhibition, 1873. Messrs. Whitelaw and Blair are ornamental house painters and decorators, as well as manufacturers.

Wilson, Corben & Co., Melbourne.—Enamelled mantelpieces and tables. Awarded First Order of Merit (Silver Medal). Jury report, page 87. (See advt., page iv.)

Class 19.—Crystal, Glass, and Stained Glass.

Australasian Glass Manufacturing Co. Limited, Melbourne.—Glassware.

Beer, C., Brunswick.—Fish globes.

Bell, J., Sandhurst.—Ornamental glass windows.

Brooks, Robinson & Co., Melbourne.—Plate-glass, silvered and embossed.

Floyd, S., Melbourne.—Collection of glassware and working appliances.

Melbourne Glass Bottle Works Co., The, Emerald Hill.—Green glass bottles, assorted.

Simonsen, P., Prahran.—"Vitremanie"—imitation of stained glass.

Thomas & Richardson, Hotham.—Glassware.

Wilson, G., & Co., Melbourne.—Patent-stoppered bottles, for aerated waters.

Woodroffe's Glassblowers, Melbourne.—Fancy glass. Philosophical instruments in glass.

Class 20.—Pottery.

Austin, J. H., Brunswick.—Glazed stoneware pipes.

Australian Tile Works, Malvern.—Agricultural pipes. Vases.

Gilbrook Pottery, Brunswick.—Vase, fountain, &c., in terra-cotta and earthenware.

Guthrie, C. G., Sandhurst.—Parian marble, cane, cream, majolica, and white stoneware. Red and white terra-cotta.

Kilpatrick & Co., Melbourne.—Terra-cotta vases, medallions, &c.

Knight, A., & Co., Lal Lal.—Stoneware.

Middleton, A. G., Melbourne.—Demijohns.

Nolan, L., Brunswick.—Earthenware and terra-cotta articles.

Teale, G., Prahran.—Wedgwood-ware beer jug, having won first prize at the London Exhibition of 1851. (Loan.)

Timperley Bros., Richmond.—Spirit barrels.

Wolstencroft, J. & W., Sandhurst.—Earthenware mouldings.

Wilson & Ridge, Melbourne.—China, earthenware, jam jars, jugs, &c.

Class 21.—Carpets, Tapestry, and other Stuffs for Furniture.

Corrie, A., Melbourne.—Bedding materials.

Miller, J., & Co., Melbourne.—Cair mats and matting.

Nicholson, T., Collingwood.—Matting made from flax.

Penal Establishment, Coburg.—Cair mats.

Piper, J., Collingwood.—Hair for upholstery, bedding materials.

Tronson & Rutherford, Carlton.—Bedding materials.

Class 23.—Cutlery.

Brough & White, Emerald Hill.—Sheep-shearing instruments, &c.

Lillycrap, H., Castlemaine.—Cutlery for the use of butchers, curriers, &c.

Marsden, A., Footscray.—Cutlery.

Walker, T., Emerald Hill.—Cutlery.

Wragg, G., South Yarra.—Bread, butchers', and cooks' knives.

Class 24.—Goldsmiths' and Silversmiths' Work.

Altman, E. A., Melbourne.—Silver and gold cup.

Denis Bros., Melbourne.—Goldsmiths' and silversmiths' work.

Edwards & Kaul, Melbourne.—Goldsmiths' and silversmiths' work.

Evett, W., Emerald Hill.—Materials for goldsmiths' and silversmiths' work.

Gartner, M., Melbourne.—Mounted emu eggs. Plated-ware.

Henty, F., Kew.—Prizes obtained at London agricultural shows. (Loan.)

Joseph Bros., Melbourne.—Mounted emu eggs.

Kilpatrick & Co., Melbourne.—Goldsmiths' and silversmiths' ware.

Rowland, J. R., Melbourne.—Enamelled gold and silver ware; the enamelling champlévé.

Schafer, C., Melbourne.—Silver fern-tree flower-stand. Silver ornaments.

Stokes & Martin, Melbourne.—Military badges and ornaments. Plated dishes, &c.

Class 25.—Bronzes and various Art Castings.

Kilpatrick & Co., Melbourne.—Statuettes and vases in bronze.

Lyster & Cooke, Melbourne.—Bronze castings for hall furniture.

Class 26.—Clocks and Watches.

Bosch, G., Hawthorn.—Lever watch movement.

Edwards, J. B., Fitzroy.—Regulator clock, made of odds and ends picked up on the goldfields.

Gaunt, T., Melbourne.—Watches, as samples of finishing and escapement-making. Watch-cases. Chronometer, &c.

Joseph Bros., Melbourne.—Turret-clock.

Kilpatrick & Co., Melbourne.—Clocks, watches.

Maudsley, J., Geelong.—Chronometrical clock-work.

Myers, W., Melbourne.—Clocks.

Thicthener, H., Fitzroy.—Clocks, skeleton, &c.

White, W. J., Melbourne.—Astronomical clock.

Class 27.—Apparatus and Processes for Heating and Lighting.

Andrews, C., Geelong.—Patent cooking apparatus.

Bond, R., St. Kilda.—Box-iron, to be heated by gas.

Briscoe & Co., Melbourne.—Kitchen-range.

Brown, W., Melbourne.—Tailor's iron, heated by gas.

Brunswick Foundry, Brunswick.—Grates.

Cochrane & Scott, Melbourne.—Patent colonial oven, with movable fireplace.

Connelly, T. J., Sandhurst.—Gas reflectors. Steamboat lamp.

Douglas & Sons, Melbourne.—Gasaliers. Hall lamps. Brackets, &c. Awarded First Order of Merit (Gold Medal) for Gasaliers. Jury report, page 86. (See advt., page xv.)

Drysdale & Fraser, West Melbourne.—Cast-iron ventilators. Silent blast-fan.

Faul, J. W., Sandhurst.—Steamboat lamps.

Goby, A., Melbourne.—Cooking stoves and utensils.

Harnwell, W., Hotham.—Colonial ovens.

Hutchison, J., Melbourne.—Ranges and ovens.

Jeans, S. E., St. Kilda.—Gas cooking and heating stoves. Water-heaters for baths. Gas stoves for tailors' irons, &c. Awarded First Order of Merit (Silver Medal) for Gas-heating Stoves, Grills, and Iron-heating Stoves. Jury report, page 86. (See advt., page xii.)

Knobel, G. A., Hotham.—Knobel's improved compound ventilator.

Lyster & Cooke, Melbourne.—Ranges. Register grates.

M'Lean Bros. & Rigg, Melbourne.—Economical kitchen ranges.

Mahoney, F., Carlton.—Ventilators.

Murphy, E., Emerald Hill.—Patent ventilator.
 Nicholson, J., Collingwood.—Range boilers.
 Parker, J., & Co., Melbourne.—Colonial ovens.
 Portable stoves. High-pressure boiler. Gas stoves.
 Parker, J. A., & Co., Geelong.—Colonial ovens.
 Paterson, J., Melbourne.—Railway, ship, street,
 and carriage lamps. — Tea and coffee urns.
 Porta, J., & Sons, Melbourne.—Bellows and port-
 able forges.
 Pullinger, F., Melbourne.—Kitchen-ranges, ship's
 stove.
 Rasche, W., C.E., Melbourne.—Patent ventilator.
 Samson, J. M., Hotham.—Miniature kitchen-range
 and culinary utensils.
 Walker, A. R., Melbourne.—Gas stoves. Bath
 heated by gas apparatus.
 Wallis Bros. & Co., Collingwood.—Gas stoves,
 improved colonial ovens, kitchen-ranges, &c.
 Williams, T., Collingwood.—Colonial oven.
 Willis, W., & Co., Melbourne.—Steel lamps.

Class 28.—Perfumery.

Apollo Stearine Candle Co., Melbourne.—
 Soaps.
 Atkin, C. A., Melbourne.—Eau-de-Cologne and
 lavender water.
 Bosisto, J., Richmond.—Perfumery obtained from
 native flowers.
 Graham, J., Melbourne.—Hair washes and
 pomades.
 Johnson, H., Geelong.—Soap tablets and powders.
 Kitchen, J., & Sons, Melbourne.—Toilet soaps.
 Lewis & Whitty, Fitzroy.—Perfumery and hair
 oils.
 Longmore, F., Melbourne.—Lavender water, eau-
 de-Cologne. Perfumers' materials.
 Smith, A., & Co., Melbourne.—Scents. Essences.
 Fancy soaps.
 Tilley & Clack, South Yarra.—Toilet soaps.
 Violet powder.

Class 29.—Leather-work, Fancy Articles, and Basket-work.

Bryse, A., Carlton.—Hair and nail brushes, glove
 stretchers, shoe-horns.
 Gaunt, T., Melbourne.—Hair-work devices.
 Hartley, H. J., Brunswick.—Cocoanut-work, plain
 and silver mounted.
 Hartley, S., Melbourne.—Brooms. Whisks.
 Heydon, A. T., Carlton.—Stationery-cases. Jewel-
 cases. Desks. Writing-cases, &c.
 McLaren, J., Brighton.—Inlaid writing-desks.
 Osborn, Cushing & Co., Melbourne.—Brooms
 and brushes.
 Parker, C. M., Carlton.—Inlaid tea-caddy.
 Petit, E., Melbourne.—Basketware.
 Porteous & Gibaud, Melbourne.—Brushware.
 Rosenthal, S., Melbourne.—Meerscham pipes and
 amber goods.
 Sage, A. J., Camberwell.—Carved cocoanut jewel-
 vases.
 Sands & McDougall, Melbourne.—Dressing-
 cases.
 Wehsack, F., Melbourne.—Improved cash-boxes.
 Zevenboom, J., Melbourne.—Brushware, painters'
 and general.
 Zevenboom & Jeffries, Melbourne.—Brooms.
 Brushware.

Class 31.—Thread and Fabrics of Flax, Hemp, &c.

Miller, J., & Co., Melbourne.—Jute goods; sacks,
 woolpacks, &c.
Class 33.—Woollen Yarn and Fabrics.
 Albion Woollen Mill Co., Geelong.—Plain and
 fancy tweeds.
 Ballarat Woollen Co. Limited, Ballarat.—
 Tweeds. Flannels. Blankets. Shirtings.
 Barwon Woollen Mill Co. Limited, The,
 Geelong.—Tweeds. Blankets. Yarns.
 Castlemaine Woollen Co. Limited, Castle-
 maine.—Yarn and woollen goods.
 Gray Bros., Melbourne.—Woollen piece goods.
 Melbourne Woollen Mill Co. Limited, Mel-
 bourne.—Woollen piece goods, tweeds.
 Penal Establishment, Coburg.—Blankets.

Victoria Woollen and Clothing Manu-
 facturing Co. Limited, Geelong.—Flannels.
 Tweeds. Blankets. Serge, &c.

Class 34.—Silk and Silk Fabrics.

Bowen, E., Melbourne.—Raw silk and cocoons.
 Goldstein, A., jun., Ross' Bridge.—Raw and floss
 silk.
 Herman, E., Ballarat.—Raw silk.
 Ladies' Silk Association, Rutherglen.—Silk
 cocoons. Raw and manufactured silk. This silk
 colonial-grown from European grain.
 Page, Mrs. R., Melbourne.—Silk and silk cocoons.
 Talbot, Mrs. S. F., Melbourne.—Raw and floss
 silk.
 Timbrell, Mrs., Collingwood.—Silk produced in
 Victoria. Silk in different states of manufacture.
 Silk fabrics.

Class 35.—Shawls.

Ballarat Woollen Co., Ballarat.—Shawls.
 Jackson, Miss E. A., Richmond.—Shawls.
 Victoria Woollen and Clothing Manu-
 facturing Co. Limited, Geelong.—Shawls.

Class 36.—Lace, Net, Embroidery, and Trim- mings.

Altson, R., Melbourne.—The Queen's monogram,
 embroidered.
 Burrage, T. A., Melbourne.—Embroidered orna-
 ments, for theatrical and dress costumes.
 Clayton, G., Melbourne.—Patent box plaiting, ruf-
 fling, and frilling.
 Convent of Our Lady of Mercy, Fitzroy.—
 Embroidered ecclesiastical vestments, point lace.
 Mack & Ellis, Melbourne.—Frilling and trimming.
 Martin, C. R., Melbourne.—Naval, military, and
 masonic embroidery. Friendly societies' regalia.
 Miskin, Mrs. H. S., Toorak.—Embroidery.
 Moubray, Rowan & Hicks, Melbourne.—Net,
 lace, and embroidered silk goods.
 Skinner, A., Melbourne.—Embroidery, blocks for
 embroidery, embroidery designs.
 Spedding, J. D., Melbourne.—Embroidered silk
 goods.
 Vail, M. K., Melbourne.—Gold and silver embroidery.
 Embroidered masonic and other badges.

Class 37.—Hosiery and Underclothing, and Accessories of Clothing.

Alexander, Mrs. S., Fitzroy.—Ladies' and gentle-
 men's underclothing.
 Atkinson, Mrs., Melbourne.—Corsets.
 Danelli, V., Melbourne.—Embroidered shirts.
 De Courtet, Mdme., Melbourne.—Ladies' im-
 proved corsets, and materials for stay-making.
 Dorgan Bros., Carlton.—Ladies' and children's
 underclothing. Shirts.
 Gittus, T., Melbourne.—Umbrellas. Parasols.
 Henderson, S., Richmond (Braeside Shirt Factory).
 —Gentlemen's haberdashery and underclothing.
 Hughes, R., Melbourne.—Walking-sticks.
 Jackson, S. E., Richmond.—Machine-knitted socks
 and stockings.
 M'Diarmed, A., Mansfield.—Walking-sticks.
 M'Diarmed, D., Mansfield.—Walking-sticks.
 M'Gillivray, S., Emerald Hill.—Knitted hosiery,
 jackets, &c.
 Mack & Ellis, Melbourne.—Ladies' and children's
 underclothing.
 Moubray, Rowan & Hicks, Melbourne.—Un-
 derclothing.
 Rhodes, Mrs., Melbourne.—Ladies' stays. Riding-
 belts. Shoulder-straps.
 Samuel, E., Collingwood.—Ladies' and children's
 underclothing.
 Saxe, J. de, & Co., Melbourne.—Umbrellas.
 Parasols. Sunshades.
 Skinner, Mrs. A., Melbourne.—Underclothing.
 Spedding, J. D., Melbourne.—Ladies' and children's
 underclothing, baby linen, &c.
 Turner, J. H., Melbourne.—Hatters' materials.
 Youl, J. B., Emerald Hill.—Hosiery.

Class 38.—Clothing for both Sexes.

Ashford, J. C., Richmond.—Ladies' and gentlemen's
 boots and shoes.

Bartlett, E. J., Melbourne.—Machine-made men's and boys' clothing.
 Bissmir, C., Fitzroy.—Bonnet-shapes.
 Blyth, A. G., Napier-st., Black Hill, Ballarat.—Trousers and vest, West of England tweed.
 Brown, J. C., Melbourne.—Wigs. Ladies' ornamental hair-work. Theatrical wigs.
 Buckner, J. S., Melbourne.—Hats and caps.
 Cantor & Loel, Melbourne.—Clothing.
 Convent of Our Lady of Mercy, Fitzroy.—Dolls in national dresses.
 Coutie, J., Melbourne.—Boots and shoes, clogs, carved wood lasts.
 Dennis, A., Melbourne.—Boot-uppers.
 Dorgan Bros., Carlton.—Boys' and infants' clothing. Sun hats. Bonnets. Caps.
 Dudon & Beaupin, Melbourne.—Wigs and ornamental hair-work.
 Duncan, H., Melbourne.—Hand-closed bespoke boot-uppers.
 Eve, J. S., Melbourne.—Wigs. Hair-work.
 Ferne, A. W. (Wholesale Clothing Co.), Melbourne.—Men's clothing.
 Ford Bros., Melbourne.—Hats, helmets, and sunshades made of native pith, from the plant *Scriptus lacustris*.
 Gaskell, Mrs. A., Melbourne.—Artificial flowers, in wax.
 Graham, J., Melbourne.—Wigs, scalps, ornamental hair-work.
 Harris, J., & Sons, Melbourne.—Boots and shoes.
 Higginbotham, W. J., sen., Melbourne.—Theatrical wigs and beards. Fancy hair-work.
 Hillier, E., Melbourne.—Hats.
 How Bros., Collingwood.—Boot and machine laces, manufactured from Victorian kangaroo.
 Jeffries, G., Melbourne.—Hand and machine sewn boots and shoes.
 McBean & Hickmer, Fitzroy.—Boots and boot-uppers.
 McGuigan, J., Melbourne.—Boots and shoes.
 Mackie, J. B., Melbourne.—Hats and caps.
 Mack & Ellis, Melbourne.—Ladies' and children's clothing.
 Marks, L., & Co. (Monster Clothing Co.), Melbourne.—Men's and boys' clothing.
 Marks, M., Fitzroy.—Cossack mantle.
 Marsh, J. T., Ballarat.—Hats, firemen's helmets.
 Moubray, Rowan & Hicks, Melbourne.—Ladies' and children's costumes. Millinery.
 Nichols, T. F., Melbourne.—Boots, shoes, and slippers.
 Oakley, E., Melbourne.—Men's and boys' machine-made clothing.
 Penal Establishment, Coburg.—Clothing. Boots.
 Roberts, W. L., Ballarat.—Trousers and vest, Geelong tweed.
 Robinson, T., Collingwood.—Boots and shoes.
 Rosier, J., Melbourne.—Boots and shoes.
 Samuel, Mrs. E., Melbourne.—Knickerbocker suits and children's costumes.
 Shelmerdine, T., Melbourne.—Felt, fur, and woollen hats, in various stages of manufacture.
 Simons, Mrs. E. P., Melbourne.—Artificial flowers, in wax, paper, and muslin.
 Smith, J. J., & Co., Melbourne.—Boot-uppers.
 Solomon, A. J., Fitzroy.—Coats.
 Spedding, J. D., Melbourne.—Ladies' and children's clothing. Infants' robes, cloaks, and costumes.
 Staff, Mrs. H., Melbourne.—Artificial flowers, in wax, paper, and shells.
 Stevenson, L., & Sons, Melbourne.—Men's and boys' hats, caps, and helmets.
 Stokes & Martin, Melbourne.—Copper toes for children's boots.
 Storer, J., Melbourne.—Ornamental stitching on boots.
 Thomas, P., Melbourne.—Boots and shoes.
 Turner, T., Melbourne.—Hats, helmets.
 Vail, M. K., Melbourne.—Fancy dresses, gentlemen's clothing, helmets, bushies.
 Victoria Deaf & Dumb Institution, The, Melbourne.—Boots and shoes. Closed boot-uppers.
 Walworth, S., Melbourne.—Hats. Caps. Helmets.
 Waterman, Cohen & Co., Melbourne.—Tweed hats and caps.

Weeks, A., Carlton.—Feathers, cleaned, curled, and dyed.

Weigel, Mdme., Melbourne.—Paper patterns of ladies' dresses.

Wynne, J. H., Fitzroy.—Ladies' boots and shoes.

Class 39.—Jewellery and Precious Stones.

Armfield Bros., Collingwood.—Gold and silver chains, &c.

Blashki, P., Melbourne.—Gold and silver jewellery.

Burnard, S., Melbourne.—Gold and silver jewellery.

Carter, R., Melbourne.—Silver jewellery.

Dubroca, G., Melbourne.—Imitation jewellery and ornaments in nickel, white metal, &c.

Edwards Bros., Melbourne.—Prizes obtained for steering and rowing. (Loan.)

Flegeltaub, L., Melbourne.—Jewellery.

Gant, Mrs. H. D., South Yarra.—Hair guards, &c., gold-mounted.

Gourlay, J. B., Emerald Hill.—Shell and figure jewellery.

Hamilton, G. W. N., Melbourne.—Jewellery.

Holloway, H. W., Melbourne.—Jewellery.

Kilpatrick & Co., Melbourne.—Jewellery and precious stones.

Larard & Sons, Melbourne.—Jewellery.

Marks, M., & Co., Melbourne.—Jewellery.

Robertson, F. H., Richmond.—Quondong necklace, bracelet, earrings, and brooch.

Spink, H., Melbourne.—Gems and precious stones, cut.

Class 40.—Portable Weapons, and Hunting and Shooting Equipments.

Aborigines, Central Board for the Protection of, Melbourne.—Native weapons.

Allan, A. H., Melbourne.—Fishing-rods and tackle.

Australian Lithofracteur Co., Melbourne.—Imitation lithofracteur and dynamite cartridges.

Awarded First Order of Merit (Silver Medal) by Jury Section XVIII., page 108. (See advt., page xx.)

Brock, H., Richmond.—Fireworks.

Draper & Tillett, Melbourne.—Fireworks.

Hatton, J., Melbourne.—Greyhound slips.

Class 41.—Travelling Apparatus and Camp Equipage.

Curtis, J., Melbourne.—Portmanteaus. Travelling bags. Leggings. Hat cases, &c.

Galinski, J. J., Melbourne.—Portmanteaus and bags.

Jackson, T. C., Melbourne.—Trunks, portmanteaus.

Leighton, J., Melbourne.—Portmanteaus and cricket bags.

Morgan, W., Melbourne.—Tents. Tarpaulins. Horse-rugs. Nose-bags. Water-bags.

Pausacker, Evans & Co., Melbourne.—Trunks, portmanteaus and bags.

Radford, W. J., Melbourne.—Japanned travellers' trunks, and bonnet-boxes.

Class 42.—Toys.

Fox, W. B., Sandhurst.—Cricket balls.

Moore, J., & Sons, Fitzroy.—Dissolving views. Magic-lantern slides.

Sherrin, T., Collingwood.—Cricket balls, pads, &c.

Smith, G., Richmond.—Cane-handled cricket bats. Brass-bound wickets.

Taylor, H., & Sons, Sandhurst.—Cricket bats.

Class 43.—Products of the Cultivation of Forests and of the Trades appertaining thereto.

Ararat Borough Council.—Timber.

Bonnetti, G., Melbourne.—Wine casks. Cooperage.

Caughey, A. & R., Melbourne.—Wine-vats.

Connor, J. H., jun., Geelong.—Woods.

Department of Agriculture, Melbourne.—Indigenous timbers, fibres.

Gray, Waring & Co., Melbourne.—Wine vats.

Guilfoyle, W. R., F.L. Soc., Melbourne.—Specimens of woods, fibres. Paper material. Vegetable extracts.

Harrison, T. S., & Co., Melbourne.—Bottle-corks, &c.

Penal Establishment, Coburg.—Basketware.

Petersen, G. H., Emerald Hill.—Collection of Victorian woods.

Phoenix Steam Cooperage, Melbourne.—Wine-casks.

Pow, J. K., & Co., Melbourne.—Mimosa bark, ground, powdered, and chopped; extract of same.

Quiggin, J. E., Toolamba.—Redgum slabs.

Schofield, W., Richmond.—Knife-cut veneer.

Webber, T., Geelong.—Articles of cooperage.

Class 44.—Products of Hunting, Shooting, Fishing, and Spontaneous Products. Machines and Instruments connected therewith.

Bailey, J. F., Melbourne.—Shells and fossils.

Best, D., Fitzroy.—Entomological specimens.

Borland, M., Maryborough.—Stuffed birds and flying squirrels.

Brise, A., Carlton.—Ox-bones prepared for brush-backs; and bristles, washed and unwashed.

Campbell, A. T., Melbourne.—Birds' eggs.

Coles, A., Kyneton.—Stuffed birds.

Connor, W., Geelong.—Native bears, stuffed.

Costello, P., Creswick.—Curled horse-hair.

D'Alton, St. E., Dimboola.—Collection of dried plants.

French, C., Melbourne.—Entomological, ornithological, and reptile collections. Australian and foreign birds, &c.

Frost, M., Carlton.—Dried ferns.

Godfrey, F. R., Melbourne.—Stuffed birds.

Hart, L. H., Melbourne.—Native curiosities.

Hordern, W., Hawthorn.—Birds' eggs.

Leith, T. A., Emerald Hill.—Stuffed birds.

Le Souef, A. A. C., Melbourne.—Miniature native weapons.

Lucas, Dr. D. P., Emerald Hill.—Birds' eggs.

Mandeville, L., Wedderburn.—Black snake.

North, A. T., Moonee Ponds.—Victorian birds' eggs.

Nyulasy, C., Fitzroy.—Portion of skull showing saw of a sawfish.

O'Sullivan, T., Richmond.—Collection of insects.

Pollard, J. F., Melbourne.—Stuffed birds.

Shanklin, Mrs., Upper Maffra.—Artificial flies.

Smith, H. A., Geelong.—Stuffed fishes. Aboriginal weapons.

Somers, S., Brunswick.—Hammer-headed shark, stuffed.

Swallow & Woolley, Sandridge.—Birds' eggs.

Warren, R., jun., Beechworth.—Birds' eggs.

Weeks, A., Carlton.—Undressed feathers.

Wilson, J. G., Brighton.—Dried ferns.

Zoological & Acclimatisation Society of Victoria, Melbourne.—Angora goats' hair. Ostrich feathers.

Class 45.—Agricultural Products, not used for Food.

Borthwick, A., Melbourne.—Oils, boiled and prepared.

Cameron Bros. & Co., Melbourne.—Tobacco, manufactured and unmanufactured.

In their report the Jury (Section XX.) stated that—
"Cameron Bros. and Co. showed a large and well assorted collection of manufactured hard tobaccos, consisting of plug, twist, negrohead, gold leaf, &c., of very good designs and finish; the leaf used externally and internally was of the best possible description. Splendidly prepared, and of excellent aroma and keeping qualities. They also showed a collection of excellent cut tobaccos, which were first-class in every respect." First Order of Merit (Silver Medal) was awarded to them for Manufactured Hard Tobaccos, and First Order of Merit (Silver Medal) for Cut Tobaccos; and in consideration of the uniform fine quality of their Manufactured Tobaccos this firm was recommended by Jury XX. as being worthy to receive the Emperor of Germany's Prize. The Commissioners have awarded Messrs. Cameron Bros. and Co. their Emblazoned Certificate of this, officially endorsed; also, their large photograph of the prize, and have addressed the following letter to them:—

"Messrs. CAMERON BROS. & Co.,
Melbourne.

Melbourne, 29th April, 1881.

Gentlemen,

I have the honour and pleasure to express the gratification of the Commissioners at the high

degree of merit achieved by your exhibit, "Manufactured Tobacco," which was recommended for competition for the Emperor of Germany's Prize by the Jury appointed to adjudicate in that class.

Although your exhibit has not been fortunate in being selected by Professor Reuleaux, yet the full recognition of its excellence as evinced by the recommendation of the Jury must prove eminently satisfactory to yourselves individually, and to the important industry represented by you, in which you have so worthily upheld the honour of the colony.

I have the honour to be,

Gentlemen,

Your obedient servant,

(Signed) G. C. LEVEY, Secretary."

Department of Agriculture, Melbourne.—Grasses.

Doran, F., Gippsland.—Raw and manufactured flax.

Dudgeon & Arnell, Melbourne.—Manufactured tobacco and snuff. Awarded three First Orders of Merit (Silver Medals) for hard and cut Tobaccos and Snuff. (See advt., page xx.)

Fogelson & Markwald, Carlton.—Cigarettes.

Heinecke & Fox, Melbourne.—Tobacco, raw and manufactured. Snuffs.

Jewell, E., Bridgewater-on-Loddon.—Wheat-straw.

Kyneton Agricultural Association, The, Kyneton.—Grass seeds.

Lincolne, A., Melbourne.—Tobacco leaf, bunch of grasses, named grass seeds.

M'Connell, J., Rochford.—Grass seeds.

Moss, White & Co., Melbourne.—Cigars. Snuffs. Tobaccos. This exhibit was in the form of an elegant and lofty pyramidal case, ornamented with gilt pendants. The large assortment of cake and cut tobaccos, arranged in the panels, were manufactured entirely from Virginian leaf, and included aromatic tobaccos in eight different varieties, as also Barrett's flaked and fine cut, Cavendish, shag, &c. There was also a fine display of cigars, made from leaf grown at Havannah, Java, Manila, and Sumatra, and all kinds of plain and scented snuffs, from Scotch to Morton's mixture.

The Jury of Section XX. highly commended this exhibit, and awarded it the following:—First Order of Merit for Cut Tobaccos (Silver Medal); First Order of Merit for Cigars (Silver Medal); and First Order of Merit for Snuffs (Bronze Medal).

Schulze, C. G., Mount Bolton.—Sample of Tartarian oats cut for hay.

Virginia Tobacco Manufacturing Co., Melbourne.—Manufactured tobacco. Snuffs.

Class 46.—Chemical and Pharmaceutical Products.

Adams, G., Geelong.—Eye lotion.

Alcock, P. C., Melbourne.—Inks, blackings, varnishes, cements, &c.

Apollo Stearine Candle Co., Melbourne.—Candles. Oils, chemicals; glycerine, medicinal and crude.

Atkin, C. A., Hotham.—Quinine tonic made with colonial wine.

Australian Lithofracteur Co., Melbourne.—Nitric, sulphuric, and other acids.

Borthwick, A., Melbourne.—Paints and colours, ground and prepared. Varnishes.

Bosisto, J., Richmond.—Essential oils from Eucalyptus; others from indigenous trees, &c. Chemical products from same.

Capper, S., & Co., Fitzroy.—Blue. Blacking. Washing-powder. Knife-polish. Epsom salts. Senna leaves, &c.

Cawardine, M. H., Sandhurst.—Soap.

Cuming, Smith & Co., Melbourne.—Chemicals.

Eve, J. S., Melbourne.—Hair dyes, &c.

Felton, Grimwade & Co., Melbourne.—Chemicals, drugs, &c.

Fitts Bros., Melbourne.—Glue. Animal oils.

Gardiner, G., Geelong.—Animal oils, glue.

Graham, G. L., Sandridge.—Imperial gloss for boots. Cements. Disinfecting liquid.

Hemmons, Laws & Co., Melbourne.—Pharmaceutical chemicals.

Hepburn Spring Water Co., Melbourne.—Aerated waters.
 Hesse, L., St. Kilda.—Disinfectants.
 Hood & Co., Melbourne.—Sheep-dipping composition. Proprietary medicines.
 Hunter, A. D., Geelong.—Patent composition for destroying rabbits and other vermin.
 Kingsland, G., Melbourne.—Chemical and pharmaceutical preparations.
 Kitchen, J., & Sons, Melbourne.—Stearine candles, soda crystals.
 Lewis & Whitty, Fitzroy.—Blue, blacking, seidlitz-powders, soda crystals, extract of soap.
 Longmore, F., Melbourne.—Drugs, chemicals, and pharmaceutical preparations.
 M'Gregor, T., Melbourne.—Castor and salad oils. Seidlitz-powders, &c.
 Malett, J., Windsor.—Blacking.
 Marks, N. S., Melbourne.—Pharmaceutical and chemical preparations.
 Peters, E. P., Dunolly.—Soap. Candles.
 Rocke, Tomsitt & Co., Melbourne.—Insect-bane.
 Smith, A., & Co., Melbourne.—Soap. Soda crystals. Candles. Disinfecting powders.
 Sullivan, J., Fitzroy.—Disinfecting preparations.
 Sutherland, J., Melbourne.—Soap, and the materials used in its manufacture.
 Tasmanite Paint Co., Melbourne.—Silicate paints. Moulders' powder, for castings. Polishing-powders.
 Tilley & Clack, South Yarra.—Woodleigh's patent washing solution.
 Wagner, W. H., Melbourne.—Insect destroyer.
 Walker, F., Preston.—Glue.

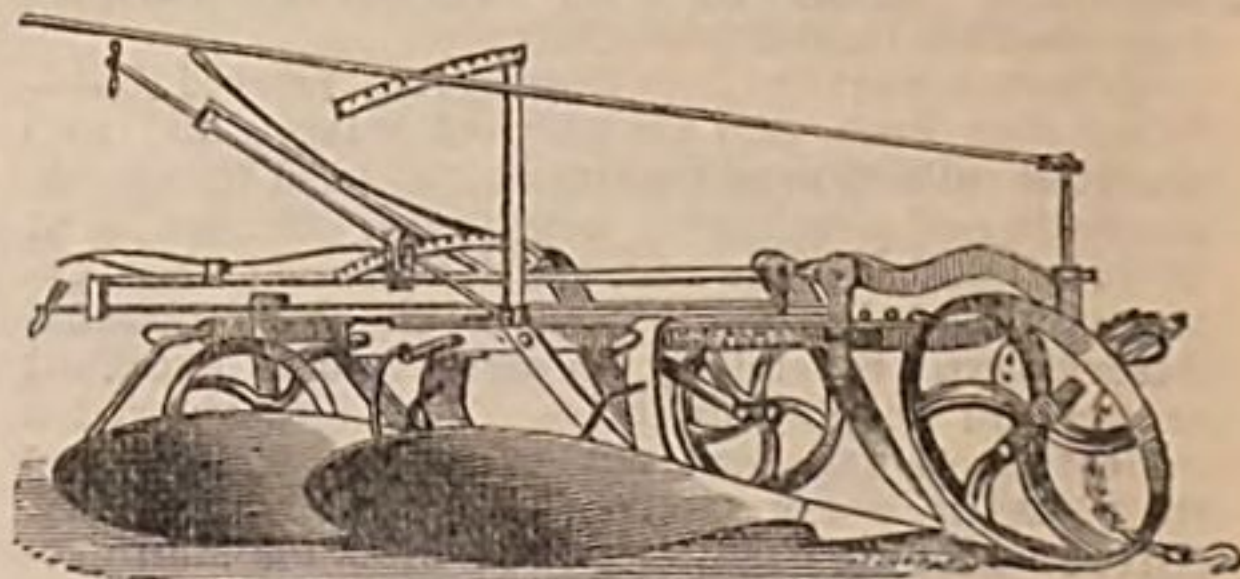
Class 48.—Leather and Skins.

Abbott, J. H., & Co., Sandhurst.—Tanned and curried leathers, for boot and harness manufactures.
 Altson, D., Melbourne.—Leather for harness and saddlery purposes.
 Bailey, Mrs., Melbourne.—Rugs. Furriery.
 Brache, J., Northcote.—Angora skins.
 Brearley Bros., Melbourne.—Leather.
 Clark, J. R., Brunswick.—Dressed and manufactured furs, kangaroo leather.
 Cunnack, G., Castlemaine.—Saddlers' and shoemakers' leather. Calf-skins.
 Dixon, J., & Co., Hotham.—Japanned, enamelled, coloured, dressed, and other leathers.
 Evett, W., Emerald Hill.—Gold-beaters' skin.
 Green, J. R., Fitzroy.—Furriery. Emu mats.
 Hart, L. A., Melbourne.—Rugs. Muffs. Furs.
 Hayman, J. B., Collingwood.—Leather, for shoe and harness making.
 Keown, J., Glenlyon.—Opossum-skin rugs.
 Lloyd Bros., Broadford.—Hogskins, harness leather, goat and kangaroo skins.
 Lodge, T., Hawthorn.—Tanned and dyed fur-skins—rugs, muffs, wool mats, &c.
 M'Lean Bros., Melbourne.—Dressed leather.
 Michaelis, Hallenstein & Co., Melbourne.—Leathers.
 Moss, G., Melbourne.—Furriery.
 Munday, J., Geelong.—Leather belting.
 Nettleberg, M., Sandridge.—Furriery.
 O'Neill, J., Melbourne.—Whip-gut. Gut-work.
 Penal Establishment, Coburg.—Leather.
 Reed, Archibald & Marshall, Hawthorn.—Kangaroo leather and boot-laces.
 Schofield & Co., Yarra Flats.—Rugs, furs, &c.
 Smith, J., & Co., Melbourne.—Leather.
 Wallis & Co., Richmond.—Leather in various stages of manufacture.
 Zimmermann, H., Collingwood.—Rabbit furs for the manufacture of felt hatting.

Class 49.—Agricultural Implements and Processes used in the Cultivation of Fields and Forests.

Ararat Shire Council.—Model plough.
 Australian Deodorising, Disinfectant, & Fertilising Co. Limited, Melbourne.—Artificial manures.
 Birkmyre, W., South Yarra.—Residuum from purified Yan Yean water, to be used as a manure.

Bromfield, J., Horsham.—Model plough.
 Buncle, J., Melbourne.—Horse-works. Corn-crusher. Chaff, tobacco, and bark cutters.
 Byrne, J. K., Echuca.—Model plough.
 Clark, J., Majorca.—Ploughs. Harrows.
 Cockerell, R., Melbourne.—Patent potato-digging plough and rotary cultivator and harrow.
 Cuming, Smith & Co., Melbourne.—Chemical and bone manures. Guanos.
 Department of Agriculture, Melbourne.—Soils.
 Edwards, D., Melbourne.—Stripper, reaper, and mower; patent land cultivator and soleless plough; single-furrow ploughs, zig-zag harrows made of twisted iron, and a wheel-harrow with a seat for the driver. The tines of this harrow are pointed at one end and chisel-shaped at the other, and are reversible according to requirements. One of the two very highly finished ploughs is soleless. A wheel is substituted in place of the usual sole, and fixed at a point about where the sole in ordinary ploughs terminates. It is claimed for this arrangement that the wheel lessens the amount of friction, and thus lightens the draught of the plough. Mr. Edwards is the inventor and patentee of many agricultural machines, amongst which may be specially mentioned the Patent Stripper (all rights secured by Royal Letters Patent), Edwards' Reaper and Mower, and an improved Land Cultivator. These implements have been most highly spoken of by the leading agriculturists in the colony of Victoria and elsewhere.
 Grant, J., & Co., Melbourne.—Ploughs. Harrows. Swingle-trees.
 Groom, B., Brunswick.—Patent tobacco-cutters. Binder heads. Wire cutters for reapers and binders.
 Henderson, T., and Co., Melbourne.—Reaping, mowing, and winnowing machines. Ploughs. Harrows. Scarifier.
 Hesse, L., St. Kilda.—Artificial manures.
 Hoy, R., Ararat.—Farrier's shoe-turning hammer.
 Howden, J., Darraweit Guim.—Harrows.
 Humble & Nicholson, Geelong.—Hand-power wool-press. Awarded First Order of Merit (Silver Medal). (See Jury report, page 125.)
 Kelly & Preston, Ballarat.—Ploughs.
 Lennon, H., Melbourne.—Mowers. Strippers. Winnowers. Reapers. Ploughs. Scarifiers. Harrows. Horse-hoes, &c.
 Leslie, J., Marong.—Ploughs. Scarifiers. Harrows. Swingle-trees. Ploughshares.
 Lugton, A., & Sons, Melbourne.—Chaffcutter.
 Lyons, C. H., Ballan.—Grubbing-machine.
 M'Calman & Garde, North Melbourne.—Improved double-furrow plough; set of zig-zag harrows; drag harrow, with wheels behind to regulate the depth; and a single-furrow plough.



In their report, Jury Section XXIV. and XXV. stated that—"The Victorian Court contained a splendid exhibition of the varied work done in her numerous workshops and manufactories, which would reflect credit on many an older country with long-established agricultural machinery manufactories. . . . In agricultural implements and machinery generally there were marked evidences of constant improvements being made, which we were happy to be able to notice in our awards, and give to the inventor the benefit of our approval and the recommendation of his work to the agricultural world. In reference to these improvements, we must compliment the colonial manufacturers on the high position they have

attained, as shown by the quality of their work and the way they have adapted their machines and implements to the requirements of the Australian farmer."

Messrs. M'Calman and Garde received First Order of Merit (Gold Medal) for their Ploughs. First Order of Merit (Silver Medal) for their Scarifiers, Cultivators, and Diggers; and Second Order of Merit for Harrows. They have also taken FIRST PRIZES at the following Agricultural Shows, viz.:—Sandhurst, 1878; Ovens and Murray, 1878; National, 1879; Ovens and Murray, 1879; Benalla, 1879; Victorian, 1880; Ovens and Murray, 1881; Benalla, 1881; Victorian, 1881. Amongst the foregoing was the Special Prize offered by Messrs. Banks Bros., Bell and Co., at Melbourne, 1879, and the Special Prize for the best invention of the

year at Benalla, 1881. They have also carried off FIRST PRIZES for the last four years at most of the ploughing matches at which they have competed, having taken Eighteen First Prizes out of twenty-two entries.

Messrs. M'Calman and Garde have also taken prizes at the following Shows, viz.:—National Agricultural Society at Melbourne and Ballarat, Shepparton, Benalla, Wangaratta, West Bourke, Tatura, and Geelong.

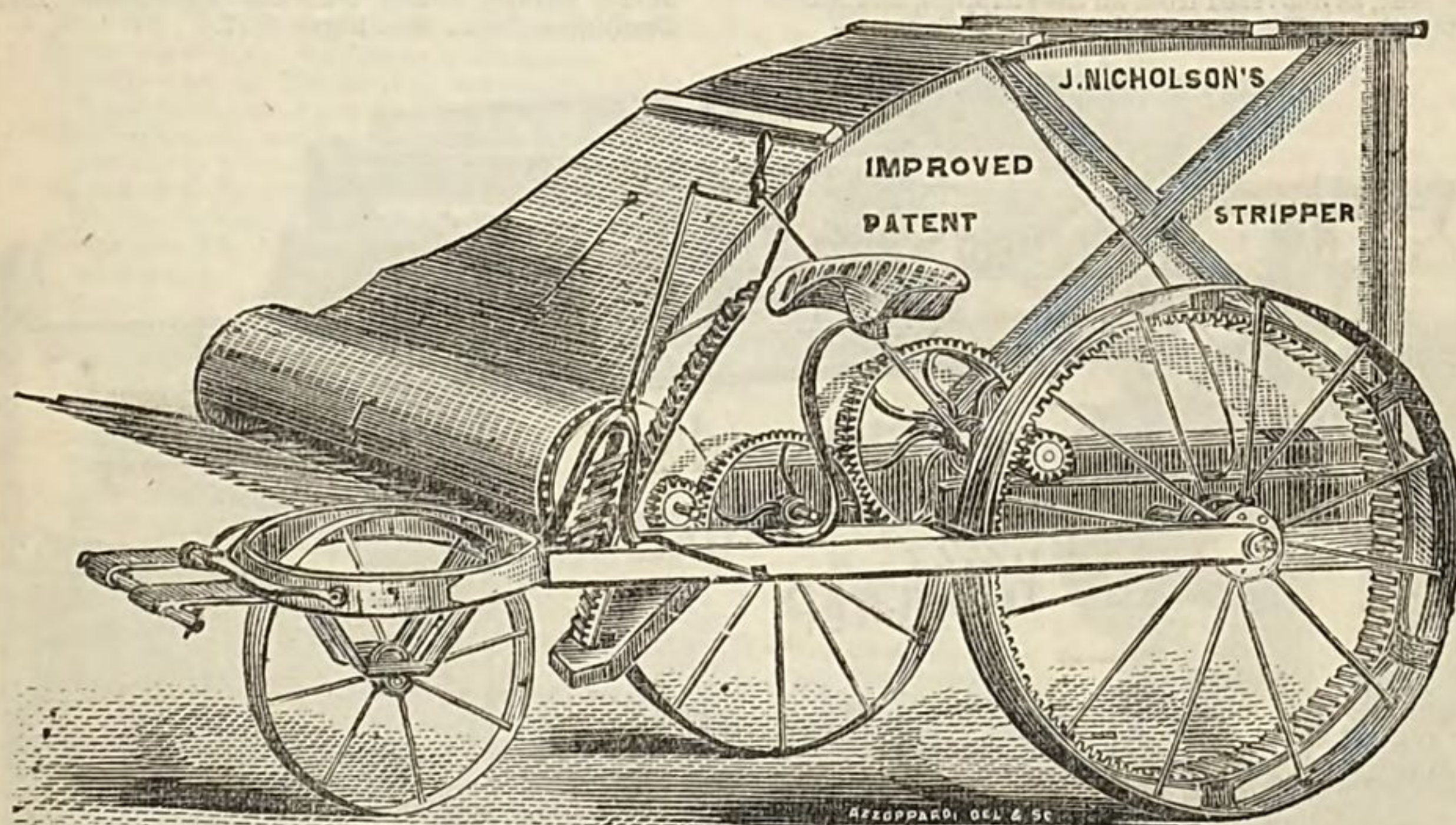
M'Donald, D., Coburg.—Field elevator.

Munro, D., & Co., Melbourne.—Horse-power, with intermediate gear. The S. M'Caughey patent automatic earth-scoop.

Munro, G., Ballarat.—Stripper. Reaper. Horseworks.

Musgrove, J., Greenvale.—Horseworks. Mowing machines. Thresher.

Nicholson, Joseph, 23 Bouverie-street, Carlton, Melbourne.—Strippers, Winnowers, Reapers, and Mowers. Awarded THREE First Orders of Merit (Gold Medals) at the recent Melbourne International Exhibition. A field trial of agricultural machinery, under the direction of the Jury, was held at Mr. Seward's farm, near Rochester, on December 23rd and 24th, 1880, when the various strippers and winnowers exhibited were all tested, and the Jury reported as follows of the



STRIPPERS:—"The contest with the strippers excited great interest, as this is evidently the machine by which the principal work in the large, warm wheat-growing districts of the colonies promises in future to be mostly done. It is not what would be called, in one sense, an economical farming implement, as it does not save the straw, which is lost; but where, as in warm climates, that is not required for fodder, &c., that is of little consequence when considered in connection with the rapidity and ease with which a crop is reaped by it, and (owing to its requiring so few men to work it) the comparatively small cost at which a crop is got ready for the market. For instance, it can be said, taking the trial as a criterion, that the $1\frac{1}{2}$ acre was reaped, cleaned, and bagged ready for the market in two hours by the labour of three men and two horses. The winnower always accompanies the stripper in the field, and two men are required to work it, and one the stripper. While the stripper is reaping, the winnower is cleaning each load the stripper brings, so that in a few minutes after the crop is reaped it is ready for sale, clean and bagged in one operation—thus doing away with the double operations and large number of men required by the reaper and thresher method. The representatives of the various countries who were on the ground were so much struck with the rapid and cheap manner of harvesting that the Australian colonies

were highly complimented for their adaptation of the machine. . . . Eight of these machines were on the ground—viz., four from Victoria, three from South Australia, and one from England, constructed on the colonial model. The following are the times in which they respectively finished their work:—

Joseph Nicholson, Victoria	..	1 hour 51 minutes
T. Robinson and Co. "	..	1 " 55 "
G. Munro "	..	2 hours 11 "
J. Martin & Co., South Australia	2	" 14 "
Ramsay and Co. (No. 1) "	..	2 " 37 "
" (No. 2) "	..	2 " 47 "
Hornsby and Co., England	}	No record kept.
J. H. Robinson & Son, Victoria		

The quality of the work done by the machine of Joseph Nicholson . . . was really splendid, and well deserves a premier position." Awarded a First Order of Merit (Gold Medal).

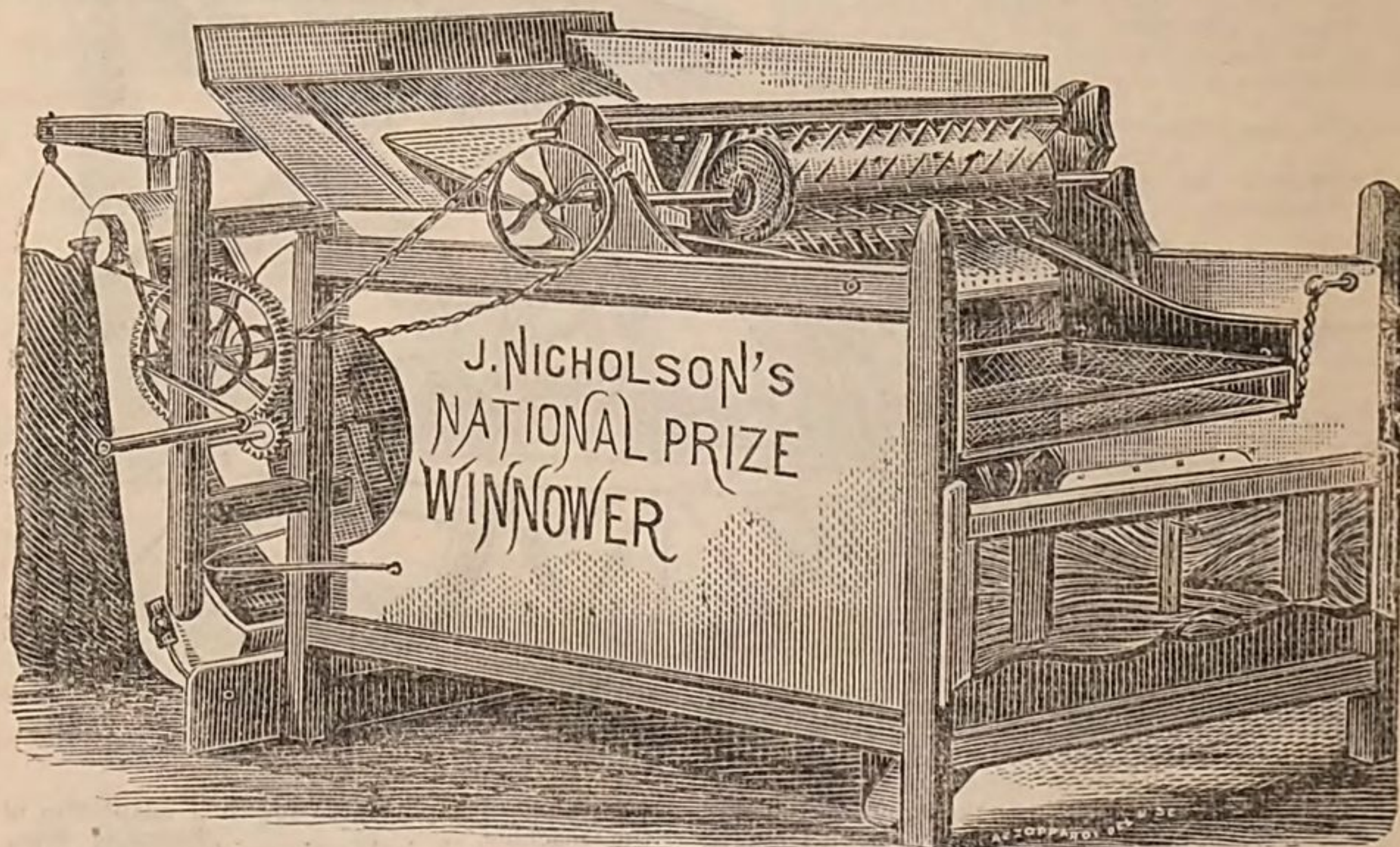
In addition to the Gold Medal obtained at the Melbourne Exhibition, the highest award at the International Exhibition, Sydney, and the Silver Medal of the National Agricultural Society at Melbourne, 1880, Mr. Nicholson has been awarded first prizes for his Patent Strippers at the following Agricultural Shows:—Sandford, 1881; Echuca, 1880; Deniliquin, 1880; Rupanyup, 1880; Tatura, 1880; Benalla, 1880; Inglewood, 1880; Shepparton, 1880; Dookie, 1880; Grand National, Sydney,

1879; Deniliquin, 1879; Sandford, 1879; Deniliquin, 1878; Stawell, 1878; Benalla, 1878; Echuca, 1878; Albury, 1878; Wangaratta, 1878; North-Eastern, Murchison, 1878; Inglewood, 1878; Mooropna, 1878; Lower Goulburn, Shepparton, 1878; Grand National, Stawell, 1877; Grand National, Sydney, 1877; Deniliquin, 1877; Echuca, 1877; Sandhurst, 1877; Ballarat, 1877; Ovens and Murray, 1877; Horsham and Wimmera, 1876; Talbot, 1878; Wangaratta, 1876; Ballarat, 1878; Echuca, 1876; Bendigo, 1875; Grand National Board of Agriculture, Talbot, 1875; as well as a SPECIAL FIRST PRIZE from the National Agricultural Society of Victoria, Melbourne, 1878; and Hon. Mention at the Geelong Grand National Show in the same year.

The same Jury reported of the WINNERS that "the elevators and bagging appliances attached to the Victorian . . . machines deserve special notice for their great saving of time and labour, and the cleanness and rapidity with which they worked. More especially was this remarked in Nicholson's machine, which worked without a fault or check, and is entirely self-acting. . . . Nicholson's bags all. Each machine was allotted an equal quantity of wheat, as delivered from all the strippers, and mixed together. The times of doing the work are:—

Joseph Nicholson, Victoria ..	..	4 minutes
T. Henderson and Co. ,,	..	5½ "
Corbett and Peele, England..	..	5½ "
Hornsby and Co. ,,	..	6 "
Richardson and Son ,,	..	6½ "
Hunt and Farrell ,,	..	7 "
T. Robinson and Co., Victoria ..	..	8 "
Dickey and Pease, U.S.A. ..	..	9 "

The Jury awarded Mr. Nicholson's WINNOWER a First Order of Merit (Gold Medal), and in addition to this he received a First Prize at the Sydney International Exhibition, 1879-80; and First Prizes also at the following Agricultural Shows:—Deniliquin, 1880, after trial; Echuca, 1880, after trial; Ararat, 1880, after trial; Rupanyup, 1880, after trial; Tatura, 1880, after trial; Benalla, 1880, after trial; Shepparton, 1880; Stawell, 1879; Rupanyup, 1879; Deniliquin, 1879; Sandford, 1879; Deniliquin, 1878; Benalla, 1878; Albury, 1878; Wangaratta, 1878; Grand National, Geelong, 1878; Sandhurst, 1878; North-Eastern (Special), Murchison, 1878; Inglewood, 1878; Lower Goulburn, 1878; Shepparton, 1878; Mooropna, 1878; National Agricultural Society of Victoria, Melbourne (Special), 1878; Sydney Grand National Exhibition, 1877; Deniliquin, 1877; Sandhurst, 1877.



The Jury also awarded a First Order of Merit (Gold Medal) to Mr. J. Nicholson for his exhibit of REAPERS and MOWERS, which consisted of a back-

delivery Reaper, a double-speed Reaper and Mower, and two improved Mowers.

Obermeyer, J., North Maldon.—Tobacco-cutting machine, for hand or steam.
 Perry, J., Melbourne.—Fork, spade, and broom handles. Sieve and riddle rims. Rakes.
 Pettigrew, A., Cropley.—Extra heavy plough.
 Randall, T., & Co., Fitzroy.—Hay and drag rakes.
 Robinson, T., & Co.—Stripper. Winnower. Threshing machine. Wool-press, &c.
 Robinson & Sons, Melbourne.—Stripper. Wool-press. Ploughs. Wine-press.
 Roche, J. E., Horsham.—Plough.
 Rouse, F., Talbot.—Tobacco-cutting machine.
 Sugden, T., Footscray.—Patent manures.
 Swan & Co., Melbourne.—Reapers. Mowers. Strippers. Ploughs.
 Tynan, J., Ballarat.—Plough.
 Vulcan Foundry, Geelong.—Agricultural machinery. Wool presses.
 Williams, G., Gippsland.—Model ploughs.
 Williams, P., Melbourne.—Hand-power wool-press.

Class 50.—Apparatus and Processes used in Agricultural Works, and in Works for the Preparation of Food.

Baker, J., Emerald Hill.—Meat-press.
 Bey, P., Talbot.—Patent double-action churn.
 Bodington, R., Carlton.—Flour-mill machinery, and tools used in flour-making.
 Bult, G., Echuca.—Churns and cheese-vats.
 Burne, J., jun., Sandhurst.—Wine-making model.
 Cherry, E., Gisborne.—Churns.
 Coulsell, L. B., Hotham.—Sausage-machines.
 Crighton, J., Mornington.—Reversing cheese rack.
 Faul, J. W., Sandhurst.—Cooling apparatus.
 Hall, A., Williamstown.—Cabinet bottle-rack.
 Harratt, H., Hotham.—Cheese-presses and screws. Iron tree-guards.
 Kent, W., Melbourne.—Grocers' coffee-mill. Improved grocers' sugar-mill.

Lezza, S., Carlton.—Apparatus for the manufacture of confectionery, ice creams, &c.
 Long & Wylie, Prahran.—Arctic economic ice safes. Refrigerators, &c.
 Lugton, A., & Sons, Melbourne.—Sausage-machines. Brine-pump. Bone-mill.
 Mourant, J. & F., Collingwood.—Shives, spiles, plugs, &c.; cork rings.
 Parkes, W. H., Melbourne.—Machine for moulding, for kitchen use.
 Radford, W. J., Melbourne.—Cheese-tubs. Vats. Milk, honey, and treacle cans. Syphon and curd-breaker.
 Randall, T., & Co., Fitzroy.—Churns. Mill trucks. Hay and drag rakes.
 Thirkettle, W. J., Kyneton.—Diagonal box-churns.
 Wolter & Echberg, Melbourne.—Churns.

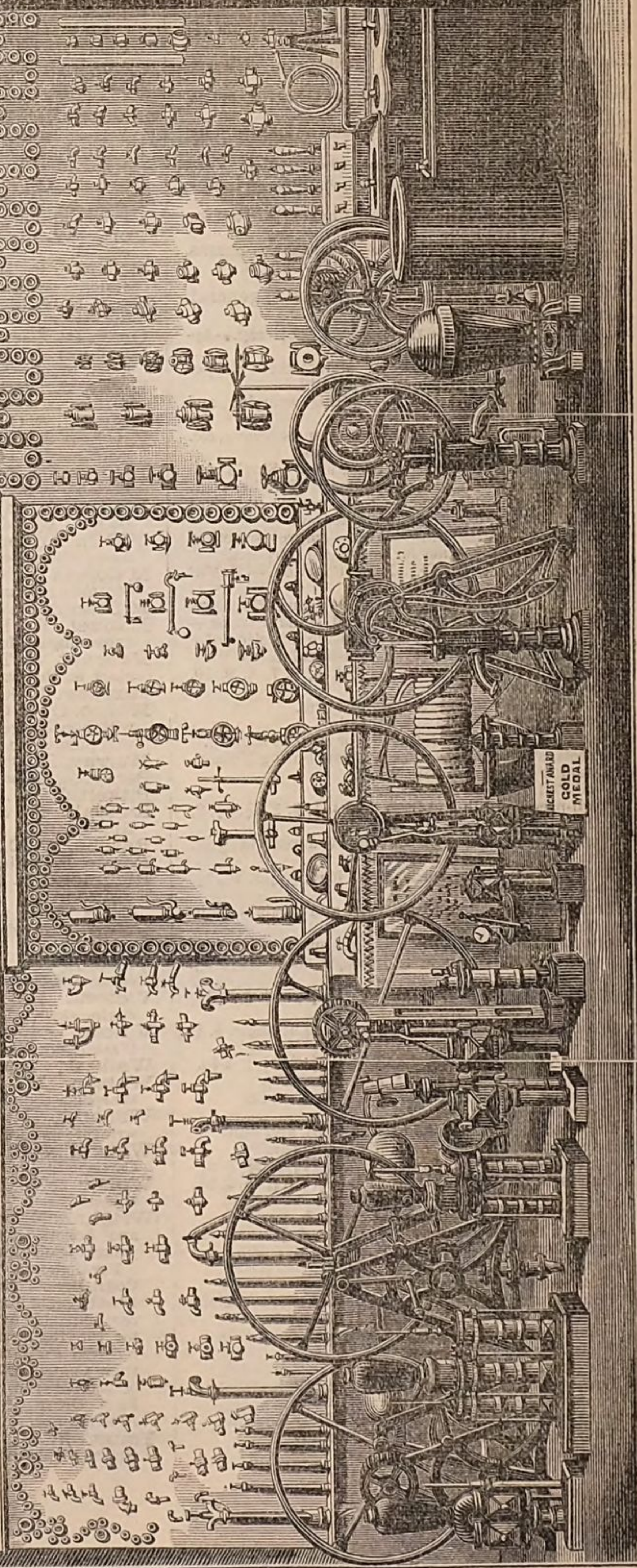
Class 52.—Machines and Apparatus in general.
 Abraham, J., Ballarat.—Windmill.
 Apollo Stearine Candle Co., Footscray.—Apparatus for making fancy soap.
 Atlas Co. of Engineers, Melbourne.—Sleeper adzing and boring machine. Windmill.
 Baker, J., Emerald Hill.—Washing, wringing, and mangling machine.
 Brierly, W., Emerald Hill.—Bolts, nuts, screws, &c.
 Briscoe & Co., Melbourne.—Mangles.
 Buchanan & Nodrum, Sandridge.—Single and double cylinder engines and boilers. Winding-gear.
 Coltman, E., Melbourne.—Steam pumps, improved pillometers, exhaust steam condensers.
 Cowley & Davis, Ballarat West.—Improved method of affixing clothes-lines for household purposes.
 Croker, M. & F. G., East Charlton.—Rabbit annihilator.
 Danks, J., Melbourne.—Engineers' and Plumbers' Brasswork, Windmills, Steam and Hand Pumps.—This exhibit consisted of an extensive collection of
 SLUICE VALVES, with four gun-metal faces, gun-metal spindle and nut, $2\frac{1}{2}$, 3, 4, 5, 6, 7, 8, 9, 10, and 12-in.
 Stand-pipe, for filling cart, double arm.
 Hydrants, double and single head.
 Hydrant, with universal head, for street watering.
 Directors' Fire Brigade Patent Distributing Nozzle.
 Bateman and More's Fire Plugs.
 Danks's Improved Mill Cocks.
 High-pressure Bib and Stop Cocks, $\frac{1}{2}$, $\frac{3}{4}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$, 2, $2\frac{1}{2}$, 3-in.
 High-pressure Union Cocks, improved patterns, $\frac{1}{2}$ -in. to 3-in.
 Ferrule Stop Cocks, for lead and iron, $\frac{1}{2}$, $\frac{3}{4}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$, 2-in.
 Ferrules, for lead and iron, bent and straight, $\frac{1}{2}$ -in. to 2-in.
 STEAM VALVES, in iron, with gun-metal valve-seat and spindle through, right-angle three way, $2\frac{1}{2}$, 3, 4, 5, 6-in.
 Steam Valves, gun-metal, to fit iron pipe, $\frac{1}{2}$, $\frac{3}{4}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$, 2, $2\frac{1}{2}$, 3-in.
 Steam Valves, flanch, straight and right-angle, $\frac{1}{2}$, $\frac{3}{4}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$, 2, $2\frac{1}{2}$, 3-in.
 Safety Valves, gun-metal and iron, $1\frac{1}{2}$, 2, $2\frac{1}{2}$, 3, 4-in.
 Improved Injectors, Nos. 2, 3, 4, 5, 6, and 8.
 Injectors, non-lifting, Nos. 2, 3, 4, 5, 6, and 8.
 Ejectors, Nos. 0, 1, 2, and 3.
 Lubricators, displacement, 2, $2\frac{1}{2}$, 3, $3\frac{1}{2}$, and 4-in.
 Lubricators, suet do., 2, $2\frac{1}{2}$, 3, $3\frac{1}{2}$, and 4-in.
 Gun-metal Stop Valves, flanch, 1, $1\frac{1}{4}$, $1\frac{1}{2}$, 2, $2\frac{1}{2}$, 3-in.
 Gun-metal Stop Valves, screwed, $\frac{1}{2}$, $\frac{3}{4}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$, 2, $2\frac{1}{2}$, 3-in.
 Bailey's Patent Scavenger Gauges, $\frac{5}{8}$, $\frac{3}{4}$.
 Bailey's Patent Scavenger Pet Cocks, $\frac{5}{8}$, $\frac{3}{4}$.
 Brass Pumps, on plank, $2\frac{1}{2}$, 3, $3\frac{1}{2}$, 4.
 Brass Deep Well Pumps, $2\frac{1}{2}$, 3, $3\frac{1}{2}$, 4.
 Double-action Pumps, $2\frac{1}{2}$, 3, $3\frac{1}{2}$, 4.
 Frame Pumps, with Gear, double and single action.
 Rotary Pumps, Rennison's, $1\frac{1}{4}$, $1\frac{1}{2}$, 2, and 3.
 Boiler Testing Pumps, fitted on tank.
 Hydraulic Ram, No. 8.
 Lavatory, fitted with tip-up basin.
 Lavatory, fitted with marble top and taps.
 Copper Boilers, various sizes.
 Four-pull and Three-pull Stocker's Beer Engine.
 Nickel-plated Bath Mountings, Jupiter.
 Lubricators and Pumps.

Four-light Long and Round Gas Reflectors.
 Improved Windmill, with self-regulating vanes.
 For this exhibit four First Orders of Merit (one Gold Medal and three Silver Medals) were awarded to Mr. Danks.

Drysdale & Fraser, Melbourne.—Ship and crab winches. Patent double-acting pump.
 Falconer, J. R. R., Fitzroy.—Horizontal engine. Vertical boiler.
 Flood, J., Melbourne.—Washing-machines. Pumps. Water-lifts.
 Ford, R. G., East Brighton.—Patent boiler.
 Ford, R. G., jun., East Brighton, Melbourne.—Patent washing-machine and boiler.
 Ford, W. J., East Brighton.—Vertical steam-engine.
 Godfrey, R., Melbourne.—Bankers' and butchers' scales. Weighing-machines.
 Gray, F. G., Richmond.—Model beam-engine, working saw-mill.
 Gray, R., Emerald Hill.—Washing-machines.
 Grayson & Co., Fitzroy.—Horizontal engine. Screw press. Saw-spindle.
 Hatty, J., North Melbourne.—Stationary steam-engine.
 Jones, H., & Co., Melbourne.—Weighing-machines.
 Kitchen, J., & Sons, Melbourne.—Candle-making machinery, in operation.
 Langland's Foundry Co., The, Melbourne.—Portable 10-horse power steam-engine.
 Lugton, A., & Sons, Melbourne.—Steam-engines. Boilers. Cylinders. Models.
 M'Call, Anderson & Co., Melbourne.—Steam-dores' hoisting-engines. Steam boilers.
 M'Comas & Co., Melbourne.—Water-lifters. Steam-engine and water-lifter combined.
 M'Lean Bros. & Rigg, Melbourne.—Windmill.
 Manuel, R., Hotham.—Builders' elevating and expanding scaffold.
 Mourant, J. T., Collingwood.—Wood taps, with glass, earthenware, and metal keys.
 Munday, J., Geelong.—Leather belting, &c.
 Munro, D., & Co., Melbourne.—Stationary engine, with hoisting-gear, boiler, centrifugal pumps; deep well pumps, &c. Windmill.
 Murray, R., Chiltern.—Model of steam-engine.
 Perry, J., Melbourne.—Mill-bands.
 Pitkeithly, R., Boloke.—Windmill.
 Randall, T., & Co., Fitzroy.—Washing-boards. Knife-boards.
 Rasche, W., C.E., Melbourne.—Steam-engine.
 Reade, R., Talbot.—Model of winding engine.
 Richmond, S. G., Melbourne.—Mangles.
 Robinson & Sons, Melbourne.—Washing-machines. Bolts, nuts, rivets, spikes, &c.
 Union Foundry, Ballarat.—Model of traction-engine.
 Victoria Ice Co. Limited, Melbourne.—Ice chests and cabinets.
 Victoria Rolling Mill, Melbourne.—Marine engine shaft, with collar; two-throw crank shaft.
 Vulcan Foundry, Geelong.—Steam engines. Washing-machines.
 Walls, J., Camperdown.—Washing-machine.
 Watson, W., Melbourne.—Knife-cleaner and sharpener combined with boot and shoe cleaner.
 Williams, P., Melbourne.—Washing-machine; wringer; and washing-boiler.
 Wills, W., & Co., Melbourne.—Weighing-machines. Carriage-lifts.
 Wolter & Echberg, Melbourne.—Washing-machines.
 Wright & Edwards, Melbourne.—Steam-engines and boilers. Hydraulic stump-extractor and jinker. Centrifugal pump.
 For their Steam Engine in the Victorian Machinery Court Messrs. Wright and Edwards were awarded a First Order of Merit (Gold Medal), and were strongly recommended by the Jury Section XXVI., page 128, for the Emperor of Germany's Prize. They also received First Order of Merit (Gold Medal) for their Centrifugal and Rotary Pumps; First Order of Merit (Silver Medal) for Steam Boilers; and First Order of Merit (Silver Medal) for their Artesian Boring Machine. (See advt., page xvii.)
 Young, W. C., East Melbourne.—Small vertical engine and boiler.



ENGINEER J. DANKS. BRASS FOUNDRY



MR. JOHN DANKS' EXHIBIT OF STEAM AND HAND PUMPS AND BRASSWARE IN THE VICTORIAN COURT.

Class 53.—Machine Tools.

Atlas Co. of Engineers, Melbourne.—Moulding, planing, tonguing, and grooving machine.
 Drysdale & Fraser, West Melbourne.—Punching and shearing machine.
 England, E., Richmond.—Machine for punching Venetian blind laths.
 How, H. M. C., Collingwood.—Post-borer.
 Lankester, E., Colac.—Foot-power drilling-machine, auger-machine, circular saw.
 Letham, J., Carlton.—General masons' tools.
 Munro, D., & Co., Melbourne.—Patent travelling self-acting break-down circular-saw bench. Vertical saw-frame.
 Royal, J., & Sons, Carlton.—Bench screws. Patent screw-cutting lathe, in motion.
 Walker, T., Emerald Hill.—Machine tools.
 Willis, W., & Co., Melbourne.—Post-borer.

Class 54.—Apparatus and Processes used in Spinning and Rope-making.

Donaghy, M., Geelong.—Rope. Cordage.
 M'Dougal, D. E., Melbourne.—Rope.
 M'Nally, J., Brunswick.—Rope. Twine. Rope plough-reins. Halters, &c.
 Miller, J., & Co., Melbourne.—Ropes. Cordage.

Class 55.—Apparatus and Processes used in Weaving.

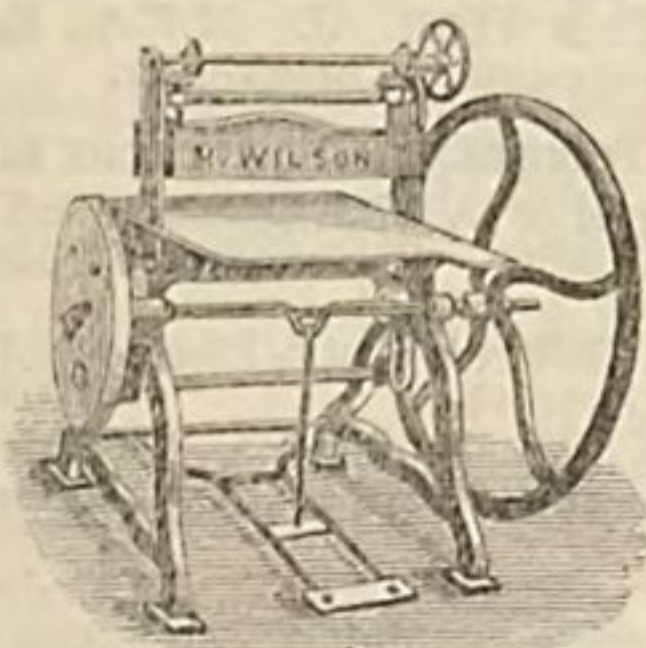
Jackson, E. A., Richmond.—Machine for manufacture of knitted hosiery.
 M'Gillivray, S., Emerald Hill.—Knitting-machine.
 Macintosh, H., Melbourne.—Loom for wire-weaving.
 Youl, T. B., Emerald Hill.—Knitting-machine.

Class 56.—Apparatus and Processes for Sewing and for Making-up Clothing.

Crowley, C., Melbourne.—Stands for clothing.
 Groom, B., Brunswick.—Hatters' irons, &c.
 Shelmerdine, T., East Collingwood.—Machines and appliances used in the manufacture of hats.

Wilson, H., & Sons, Flemington-road, Melbourne.—Machines and Knives used in the manufacture of Boots and Shoes, Lasts, Envelope and Label Cutting Machines. Awarded First Order of Merit (Silver Medal).

The Jury, in their report on this Exhibit, say :—



"First Degree of Merit was recommended to Messrs. Hugh Wilson & Sons, Flemington-road, Melbourne, for Bootmaking Machinery. Although the Exhibitors did not claim any patent, several articles in this exhibit showed improvements upon the old class of machinery, and, taken as a whole, showed good workmanship. It comprised a number of appliances well suited to the boot-trade, and calculated to lessen the cost of production."

"The Envelope and Label Cutting Machine is well adapted for the use of manufacturing stationers and printers, being strong and well made, as well as low in price."

Class 58.—Apparatus and Processes used in Paper-making, Dyeing, and Printing.

Azzopardi, A. J., Melbourne.—Electrotypes and stereotypes; also wax and other moulds, showing the process. Awarded First Order of Merit (Silver Medal).



In their report the Jury (Section IV.) stated that—"A. J. Azzopardi, of Melbourne, showed an extensive and interesting exhibit under this head, illustrating the process employed, and being valuable from a technological point of view; the use of wax moulds facilitating the reproduction of the finest lines with clearness and distinctness. The electros were planed at the back by steam machinery, so as to secure exact uniformity of height when worked in with ordinary type; perfect cohesion is secured between the backing metal and the copper shell." Mr. Azzopardi also took First Prize for Electrotypes and Stereotypes at the Melbourne and Philadelphia Exhibitions, 1875-6. (See advt., page xv.)

Furse, C., Richmond.—Wood type.
 Grant, J., Melbourne.—Printers' composing sticks.
 Roeszler, C. G., Melbourne.—Numbering-machine.
 Syme, D., & Co., Melbourne.—Stereotype plates.
 Thitchener, H., Melbourne.—Printing type.

Class 59.—Machines, Instruments, and Processes used in various Works.

Aitken, T., Melbourne.—Cask-washing apparatus.
 Flegeltaub, L., Melbourne.—Jewellers' tools.
 Hamilton, G. W. N., Melbourne.—Medal press.
 Harrison, T. S., & Co., Melbourne.—Aerated water bottle-corking machinery.
 Musgrove, J., Greenvale.—Foot lathe.
 Roberts, O., Richmond.—Patent self-acting painting machine.
 Rule, H., Flemington.—Machine for hanging wall-paper.
 Stokes & Martin, Melbourne.—Medal and embossing presses.
 Tyrer, P., Melbourne.—Patent cork extractor.
 Wilson, G., & Co., Melbourne.—Hand-bottling rack. Stoppering and extracting machine. Syrup-pump.

Class 60.—Carriages and Wheelwrights' Work.

Alston, G., Bulla.—Hay-dray. Tip-dray. Wheelwrights' work, rough and finished.
 Armfield, T. G., Windsor.—Carriage and buggy springs, fixtures for same.
 Carroll, E., Carlton.—Eccentric buggy-lock.
 Crutch, W., & Co., Melbourne.—Brougham. Barouche. Landau, with patent hood. Stanhope waggonette.
 Dickason Bros., Richmond.—Double-seated Abbott's buggy.
 Evans, W., Melbourne.—Carriage springs.
 Ewing Bros., Melbourne.—Landau. Brougham. Phaetons.
 Gardiner, H., Hotham.—Invalid's chair and perambulator.
 Hamilton, G. W. N., Melbourne.—Carriage and harness mountings.
 Harding, W., Collingwood.—Lorries. Carriage and wheelwrights' work.
 Harratt, H., Hotham.—Carriage-axles. Brake-screws.
 Harvie, J., Richmond.—Park phaeton.
 Hewit, E., Geelong.—Carriage-mountings. Springs.
 Holden & George, Ballarat.—Model of delivery cart.
 Houghton & Co., Richmond.—Bath chair. Perambulators.
 Kelly, J. T., Fitzroy.—Tip-dray.
 Kelly & Preston, Ballarat.—Farm waggon.
 M'Donald, A., & Sons, Hotham.—Brougham. Landau. Victoria phaeton.
 Musgrove, J., Greenvale.—Hay dray.
 Noble, E., & Co., Melbourne.—Buggy and dray axles.
 Perry, J., Melbourne.—Articles used in carriage-building.

Press, R. A., Carlton.—Model of fire-reel.
 Proctor, W., Ballarat.—Sociable waggonette.
 Reade, R., Talbot.—Model of farm waggon.
 Rose, J., Melbourne.—Carriage axles.
 Ross, D., Melbourne.—Steel bicycles.
 Royal, J., & Son, Carlton.—Hose-reel. Sulky.
 Axles. Brake-screws.
 Russell, R., Melbourne.—Model of jump-seat buggy.
 Samwells, H., Melbourne.—Waggonette. Phaetons.
 Patent two-wheeled brougham. Buggy, &c.
 Schaefer, M., Sandhurst.—Model of spring-cart.
 Sharpe, A., Richmond.—Whitechapel dog-cart.
 Stevens Bros., Warrnambool.—Buggies. Carriages.

Stevenson & Elliot, Melbourne.—Landau. Pony phaeton. Stanhope phaeton. Brougham.

This firm exhibited three Carriages, and was awarded a Gold Medal and three First-class Orders of Merit. It was specially recommended for the Emperor of Germany's Prize, and obtained an extra Gold Medal for same.

Messrs. Stevenson & Elliot were also recipients of First-class Awards and Medals at all the Inter-colonial Exhibitions, as well as at the International Exhibitions in London, Philadelphia, and Paris.

Stickland & Sons, Melbourne.—Victoria extension-top phaeton, mail or Stanhope phaeton.

Stockton, J. H., Fitzroy.—Public and agricultural vehicles, carriage, waggonette.

Sturtevant, B., Melbourne.—Electroplate carriage mountings, &c.

Victoria Carriage Co., St. Kilda.—English-shaped brougham. Waggonette or mail phaeton.

West, J. & B., Essendon.—Hay-dray.

White, D., Melbourne.—Stanhope phaeton. Double or single seated buggy. Ladies' phaeton.

The ladies' angular driving phaeton had a small rumble for a tiny tiger. The iron fore-carriage was extremely light, yet possessed ample strength. It was painted lake, picked out and fine-lined with buff. Trimmings, claret cloth, with laces to match. This exhibit attracted much attention during the time the Exhibition was open. Awarded First Order of Merit (Silver Medal).

The Stanhope phaeton had a lever hood. The back seat was cut in two, and a self-acting back step enabled a lady to enter the carriage with comfort and safety. This vehicle can be converted into a Stanhope waggonette by removing the front and back seats and substituting a pair of waggonette seats, for which there is provided a folding top, thus making it into a perfect waggonette. It was painted lake, picked out and fine-lined with vermilion. The trimmings were blue morocco and cloth. Awarded First Order of Merit (Silver Medal).

There was also in this exhibit a highly finished hooded buggy, capable of being used either as a double or single buggy. This vehicle was highly commended, and was awarded a First Order of Merit (Silver Medal).

Williams, M., & Sons, Collingwood.—Phaetons. Waggonette. Four-wheeled buggy.

Class 61.—Harness and Saddlery.

Alliband, T. J., Echuca.—Green hide and kangaroo-skin stock-whip thongs.

Altson, D., Melbourne.—Harness. Saddlery.

Baird, R. F., Geelong.—Horse-shoes and shod horse-hoofs.

Brooks, A., Melbourne.—Whip-thongs and handles.

Carey, W., Melbourne.—Horse-shoes.

Clark, F., Collingwood.—Whip-thongs.

Cook, J., Hawthorn.—Harness mountings, silver and aluminum plated.

Coyle, T., Sandhurst.—Horse-shoes.

Cunnack, G., Castlemaine.—Harness. Crop, &c.

Dixon, J., & Co., Hotham.—Saddlery and harness.

Edwards Bros., Melbourne.—Saddle-trees.

Eyton, T., Melbourne.—Saddles.

Forster, C., & Son, Melbourne.—Saddlery and harness.

Furley, J. F., Carlton.—Model horse-shoes.

Gregg & Lord, Melbourne.—Saddlery. Harness.

Guthridge, Power & Co., Melbourne.—Saddlery. Whips.

Hatton, J., Melbourne.—Harness:

Henderson, F., Dandenong.—Whip-thongs.

Kelly, J. T., Fitzroy.—Horse-shoes.

Kennon, J., & Son, Richmond.—Whip-thongs and fancy plated work.

Kermode, W., Melbourne.—Horse-collars.

Keyston, J., Melbourne.—Whips. Whip-thongs.

Kinnear, G., Kilmore.—Saddlery.

Lancaster, J., jun., Fitzroy.—Horse-shoes.

Murrel, A., Geelong.—Horse-shoes and shod horse-hoofs.

Pemberton, F., Beechworth.—Horse-shoes.

Perry, J., Melbourne.—Wood for hames and saddle-trees.

Potter, T. J., Melbourne.—Saddles.

Rothwell, W., Melbourne.—Saddlery and harness.

Rutledge, J., Melbourne.—Saddles.

Timming, J., Brunswick.—Whip-thongs.

Whitmore, H., Fitzroy.—Buggy harness.

Class 62.—Railway Apparatus.

Ballarat Model Locomotive Co.—Model bogie engine.

Barrett, G. G., Melbourne.—Model of engine and tender.

Evans, W., Emerald Hill.—Railway-carriage springs and iron-work.

Frencham, G., Richmond.—Model of American saloon railway-carriage.

Jordan, J., Melbourne.—Working model of engine and tender.

Kelly, R. H., Ballarat.—Brass domes for engine-boilers.

Langlands Foundry Co., Melbourne.—Engine and railway-carriage wheels.

Milligan & Wheeler, Carlton.—Model of electric railway brake.

Noble, E., Melbourne.—Railway buffers.

Phoenix Foundry Co. Limited, Ballarat.—Engine and tender. Steam lorry.

Rule, H., Flemington.—Model of railway-carriage safety coupling.

Thompson & Co., Castlemaine.—Points and crossings manufactured for Victorian Railways.

Tyrer, P., Melbourne.—Self-acting model of railway signal or semaphore.

Victoria Iron Rolling Mills, Melbourne.—Tram-rails. Fish-bolts. Dog-spikes. Pins. Railway waggon axles.

Victorian Railway Department, Williamstown.—Goods-engine and tender. American saloon car. State carriages.

Wilson, A., Fitzroy.—Working model of Pullman's railway saloon car.

Woods, The Hon. J., M.L.A., Edom.—Wood's automatic continuous break-gear.

Class 63.—Telegraphic Apparatus and Processes.

Azzopardi & Whiting, Richmond.—Telegraphic key and sounder. Galvanometer. Electric apparatus.

Crisp, H., Ballarat East.—Electro-motor. Galvanometer. Electric bell.

Edwards, J. E., Melbourne.—Electric bells. Indicators. Telephonic apparatus. Telegraphic appliances.

The Jury Section XXIX., in their report, state that this was an exhibit of telephones of the Edison-Bell type, and microphonic transmitters, with a specialty as regards some of the carbon contacts. On trial both telephones and transmitters gave very satisfactory results; speech was received with considerable loudness, combined with moderate crispness. (See advt., page xx.)

Harris, L., Melbourne.—Electric induction apparatus.

Joseph Bros., Melbourne.—Telegraphic apparatus.

Class 64.—Apparatus and Processes of Civil Engineering, Public Works, and Architecture.

Ararat Shire.—Granite. Dressed freestone. Limestone.

Atyeo, F., Carlton.—Monument in Italian and colonial marble. Works in marble.

Baker, J., Emerald Hill.—Patent safety steps. Ladders.

Bacchus Marsh Shire.—Freestone and granite.
 Barningham & Lacey, Brunswick.—Bricks.
 Barrabool Shire Council.—Freestone. Limestone. Dripstone.
 Beechworth Committee.—Kaolin, clays, &c.
 Blight, J., Mount Alexander Quarries.—Four twelve-inch cubes of granite, polished.
 Brunswick Pottery, Sydney-road.—Clays, raw and prepared.
 Buncle, J., Melbourne.—Engineers' tools, &c.
 Carey, J., Fitzroy.—Model of wooden bridge.
 Castlemaine Paving Co.—Rough and sawn flags and slate mouldings.
 Castlemaine Town Quarry.—Metamorphic micaceous sandstone road metal.
 Cawkwell, H. A., Malvern.—Ornamental tiles.
 Chambers & Clutten, Melbourne.—Marble and stone chimneypieces. Fonts. Ornamental marble flooring.
 Clayton, E., Melbourne.—Longitudinal elevation and plan of iron railway girder-bridge.
 Connor, J. H., jun., Geelong.—Building stone, serpentine, kaolin.
 Cornwell, A., Melbourne.—Patent hydraulic stone, manufactured for building purposes.
 Gegan & Shearon, Melbourne.—Cement for glass and household purposes.
 Cuming, Smith & Co., Melbourne.—Model of chemical and manure works.
 Danks, J., Melbourne.—Gas and water fittings. (See advt., page vii.)
 Davis, J., Richmond.—Patent sashes.
 Department of Mines, Melbourne.—Building stones.
 Drysdale & Fraser, Melbourne.—Friezes, brackets, panels.
 Finn, P., & Co., Sandhurst.—Granite monuments and columns.
 Footscray Steam Stone-cutting Co., Melbourne.—Sawn bluestone flags and steps.
 Galbraith & Watkins, Stawell.—Dressed freestone.
 Gippsland Marble Co.—Polished marble.
 Hoffman Patent Steam Brick & Tile Co., Brunswick.—Foundation, Building, Paving, and Fancy Bricks, Clays, &c.
 This exhibit consisted of a Trophy representing various kinds of Bricks, Model of Kiln; Sections of Sewers, circular and egg-shaped, erected of special Bricks.
 This Company received the following awards:—
 For Drain Pipes and Bricks, First Order of Merit (Silver Medal); and for Stoneware for chemical and domestic purposes, First Order of Merit (Silver Medal).
 Horne, A., Fitzroy.—Masons' and bricklayers' tools.
 Hutchison, J., Melbourne.—Cast-iron staircase. Iron castings for verandahs.
 Kaufmann, L., Dunkeld.—Ornamental stone gate-pillars.
 Kelly, R., Fitzroy.—Longitudinal section and plan of iron lighthouse.
 Kitchingman, E. L., Bethanga.—Fire-clay, &c.
 Knight, A., & Co.—Kaolin and clay.
 Lal Lal Ironworks.—Sandstone used for furnace lining.
 Leonard, S. S., Cobden.—Slacked and unslaked lime.
 M'Coll, Hugh, M.L.A.—Marble.
 M'Pherson, D., Fitzroy.—Patent sash segments; new method of opening, closing, and locking fan-lights.
 Mahoney, F.—Patent valveless ventilator.
 Malmsbury Borough Council.—Bluestone monument.
 Melbourne Bellows Co.—Blast and smiths' bellows. Patent circular forge.
 Mitchell, D., Lilydale.—Rough and polished marble.
 Munday, J., Cooper's Creek.—Fire-clay; fine sand; fire-bricks, &c.
 Murphy, E., Emerald Hill.—Patent bivalve ventilator, self-acting; ventilating ceiling centre-flowers, chimney-cap.
 Nash, C., Geelong.—Bluestone sawn in slab, partly through.

Nicol, D., Melbourne.—Bell-knocker.
 Ogilvie & Robinson, Geelong.—Wauru Ponds limestone.
 Parker, E., Sandhurst.—Cast steel hammers.
 Paterson, A. J., Fitzroy.—Model spiral staircase.
 Peppercorn, J. P., Caulfield.—Design for centre-piece of fish-basin or fountain.
 Perry, J., Melbourne.—Sledge-hammer and road-pick handles.
 Phillips, M'Walter & Chambers, Carlton.—Ornamental iron castings for verandahs.
 Sexton, Mrs. N.—Roller for window-blind.
 Siegfriedt, E., Sandridge.—Model of the Australasian Works, Emerald Hill.
 Sutherland, A., & Co., Melbourne.—Fire-clay.
 Swanston, Willis & Stephen, Geelong.—Dressed freestone.
 Taylor, J., Sandhurst.—Granite monuments, fountains, &c.
 Technological Museum.—Building stones.
 Thirkettle, W. J., Kyneton.—Model of staircase.
 Thorpe, J., Creswick.—White bricks.
 Train, W., & Co., Emerald Hill.—Marble and enamelled mantelpieces. Marble tiles, fenders, &c.
 In addition to the above, Messrs. William Train & Co. manufacture and exhibit every description of Marble, Stone, Enamelled Slate, and Wood Work, at their manufactory in Moray-street North, Emerald Hill, where they have erected the most complete machinery for polishing Marble, &c., by steam-power, without the aid of hand labour. Messrs. W. Train and Co. have received the following awards at different Exhibitions:—
 Melbourne Exhibition, 1875—First Order of Merit for Enamelled Slate Mantelpieces.
 Geelong Exhibition, 1879—Silver Medal for Marble Mantelpieces, and Bronze Medal for Enamelled Wood.
 Melbourne International Exhibition, 1880—Second Order of Merit (Certificate) for Mantelpieces.
 (See advt., page xxi.)
 Trapp, A., Williamstown.—Model of spiral staircase.
 United Shire of Metcalfe.—Granite obelisk and pedestal, polished on one face.
 Victoria Pottery Co., Lal Lal.—Tiles.
 Vivian, J. E., Collingwood.—Model of Melbourne Town Hall, made from corks.
 Walker, R. B., Lara.—Hydraulic lime.
 Watkins, F., Stawell.—Dressed Grampians freestone.
 Watts, T., Sale.—Model of swing bridge.
 White, J., Ballarat.—Ornamental tomb-railing.
 Wischer, W., Melbourne.—Marble, from Waratah Bay.
 Williams, P., Melbourne.—Patent fanlight opener and fastener.
 Willis, W., & Co., Melbourne.—Fire-proof strong-room door.
 Wilson, Corben & Co., Melbourne.—Enamelled slate mantelpieces and baths. Awarded First Order of Merit (Silver Medal), Jury report, page 87. (See advt., page iv.)
 Wolstencroft, J., Sandhurst.—Tiles. Fire-bricks.
 Wood, W. U., & Co., Melbourne.—Show-cases. Steps, &c.

Class 65.—Navigation and Life-saving.

Barker, J., Collingwood.—Drawing of caisson for graving-dock.
 Brierly, E., Essendon.—Model.
 Burman, H. W., Flemington.—Life-boat fitted with cork, covered with cane-work.
 Cosgrave, J., Emerald Hill.—Models of yachts.
 Dawbarn, W. H., & Sons, Melbourne.—Cork life-buoys and belts.
 Durand, W., Emerald Hill.—Model of turret iron-clad ram.
 Edwards, J., Melbourne.—Eight-oared sliding-seated outrigger. Sculling outrigger. Skiff, swivel rowlocks.
 Firman, W. H., Brunswick.—Cork life-buoy.
 Fuller, R. S., Melbourne.—Racing-boat.
 Gordon, W. W., Emerald Hill.—Half-models of vessels and yachts.
 Greenland, W., Melbourne.—Sculler's outrigger racing-boat, with patent swivel rowlocks.

Handfield, F. O., South Yarra.—Model of apparatus for extinguishing fire on board ship.
 Ingram, A., Williamstown.—Model of full-rigged ship.
 Meyer, L., St. Kilda.—Built-up model of a yacht.
 Morgan, W., Melbourne.—Flags.
 Murray, H. R., Emerald Hill.—Models and half-models of yachts and steam-launches.
 Petersen, P. H., Richmond.—Model of steamship.
 Prendergast, M., Fitzroy.—Models of ship, barque, and brig.
 Roberts, W. J., Melbourne.—Model of ship.
 Sager, A., Footscray.—Model of a steamer.
 Selby, J., Emerald Hill.—Model of steamer.
 Stevens, T. C. L., Kyneton.—Models of fore-and-aft schooner, schooner-yacht, cutter-yacht, fishing-boat, half-model of gun brig.
 Stevenson, J., Sandhurst.—Model of life-boat.
 Strachan, C., St. Kilda.—Model of life-boat on an improved principle. Life-buoy and jacket.
 Sutherland, G., Williamstown.—Ship's blocks. Patent sheaves.
 Thirkettle, W. J., Kyneton.—Models of yachts and screw steamer.
 Watts, W. K., Melbourne.—Half-models of yachts, steam-launches, ships, &c.
 White, A., Williamstown.—Models of yachts, steam-launches, &c.
 Williams, H. W. L., Melbourne.—Model paddle-wheel steamer.
 Wooldridge, W., Melbourne.—Model of steamer, showing best means of extinguishing fire.

Class 66.—Materials and Apparatus for Military Purposes.

Hamilton, G. W. N., Melbourne.—Military equipments and mountings.
 Harvey, R., Caulfield.—Mechanical model for defence purposes.
 Hooke, T., Melbourne.—Model of field forge.
 Jones, T. S., Melbourne.—Plan of fortification.
 M'Donald, A., Melbourne.—Model of 9-pounder muzzle-loading rifled field-piece.
 Salmon, P. M., Sandridge.—Model of smooth-bore gun on garrison carriage.

Class 67.—Cereals, Farinaceous Products, and Products derived from them.

Baines, G. P., Merrygum.—Wheat.
 Beaufort Agricultural Society.—Flour.
 Bencaft, G., & Co., Melbourne.—Oatmeal. Flour. Pearl barley. Pease-meal. Groats. Maize-meal.
 Billson, G., Beechworth.—Malt.
 Boobier, W. J., Sandhurst.—Wheat and oats.
 Burston, S., & Co., Melbourne.—Barley. Victorian-made malt.
 Charlesworth, J., Marong.—Wheat, &c.
 Collard, J. T., Dimboola.—Flour.
 Creswell, C. F., Melbourne.—Grain; seeds.
 Danelli, S., Brunswick.—Italian paste, macaroni.
 Day, J., South Murchison.—Flour.
 Department of Agriculture.—Cereals.
 Deutscher, C. T., Murtoa.—Purple-straw wheat.
 Dimboola Flour Mill Co.—Flour.
 Edwards, W., Stawell.—Wheat. Flour.
 Fry, J., Dimboola.—Flour.
 Galbraith, H. L., Lancefield.—Field peas.
 Graves, J. H., Barnawartha.—Wheat.
 Hagenaur, Rev. F. A., Gippsland.—Arrowroot.
 Hanning, T. W., Gippsland.—Arrowroot.
 Harper, R., & Co., Melbourne.—Farinaceous products, tapioca, maize-meal, arrowroot, oatmeal.
 Hirth, H., Dimboola.—Wheat.
 Hubbard, W., Yarra Flats.—Oats.
 Hughes, D. S., Melbourne.—Wheat. Barley.
 Hutchings, T. & J., Stawell.—Wheat.
 Irving, J. L., & Co., Melbourne.—Wheat.
 Jewell, E.—Wheat, chaff.
 Keene, M.—Flour.
 Kelson, J. H.—Peas, barley, wheat, oats.
 Kimpton, W. J., Melbourne.—Flour, wheat.
 Kensington Maizena and Starch Co., Melbourne.—Maizena. Starch.
 Kidd, A., Glenlyon.—Flour.
 Kyneton Agricultural Association.—Wheat. Oats. Barley.

Kyneton Flour Mill Co.—Wheat. Flour.
 Lal Lal Flour Mills, Rupanyup.—Wheat.
 Lawrens, J., Daylesford.—Oats.
 Lewis & Whitty, Fitzroy.—Starch.
 Lincolne, A., Melbourne.—Sheaf of cereals. Named grain seeds.
 Lowan Shire Council.—Grain.
 Lugini, P., Hepburn.—Macaroni, vermicelli.
 M'Connell, J., Rochford.—Barley. Rye.
 M'Donald, J., Cohuna.—Skinless oats. Wheat.
 M'Kenzie, J. F., & Co., Melbourne.—Pearl barley, groats, oatmeal, maize-meal, pease-meal, rice.
 Malcolm, J., & Co., East Charlton.—Flour.
 Malcolm, J., & Co., St. Arnaud.—Flour.
 Maxwell, D., Echuca.—Wheat.
 Minchen, L.—Short sandy oats.
 Mission Station, Gippsland.—Arrowroot.
 Mitchell, P., Romsey.—Barley.
 Moira Agricultural Society.—Cereals.
 Moncrieff, J., Tabilk.—Purple-straw wheat.
 Moran, J., Kiora.—Tartarian oats.
 Murray Valley Flour Mills.—Flour.
 Nicholls, R. U., & Co., Ballarat.—Vegetable and agricultural seeds.
 Parsons Bros. & Co., Melbourne.—Oatmeal. Groats. Pearl and patent barley. Dressed rice.
 Perrin, W., jun., Richmond.—Victorian-made malt, from different sorts of barley.
 Player & Kitchen.—Wheat, oats, beans.
 Polson, A., Ararat.—Wheat. Oats. Beans.
 Richardson, S., & Sons, Ballarat.—Arrowroot.
 Rowbottom, E. S., Richmond.—Barley. Malt.
 Schmitt, F., Berwick.—Barley.
 Schmitt, L., Berwick.—Oats. Tares.
 Schultz, C., Mount Bolton.—Oats in sheaf.
 Smeaton, Spring Hill, & Bullarook Agricultural Association, Smeaton.—Barley, wheat, maize, peas, oats, buck wheat.
 Smith, C., & Co., Melbourne.—Malt. Barley.
 Smith, G., Ballarat.—Wheat. Barley. Oats. Ryegrass. Peas.
 Smith, J., Buninyong East.—Wheat.
 St. Arnaud Pastoral & Agricultural Society, St. Arnaud.—Wheat and oats in sheaf.
 Stanton & Hood, Collingwood.—Malt.
 Students' Model Farm, Cashel.—Straw-rick.
 Swallow & Ariell, Melbourne.—Flour. A First Order of Merit (Silver Medal) was awarded for this exhibit.
 Swallow & Son, Shepparton.—Flour.
 Taylor, R. S., Streatham.—Wheat.
 Throssell & Tankard, South Yarra.—Barley. Pale, amber, brown, and black malt, made from Victorian barley.
 Tickner, A. M., Banyena.—Canary-seed.
 Tinning, J., Tarrawingee.—Flour.
 Vaughan, C., & Co., Ballarat.—Wheat. Barley. Oats. Peas. Ryegrass seed.
 Warrenheip Distillery, Ballarat.—Wheat. Malt. Rye.
 Westcott, T., Catumnal.—Wheat.
 White, W. E.—Flour.
 Wimmera Flour Mill Co., Stawell.—Tuscan wheat. Flour.
 Wise Bros., Avoca.—Flour.
 Wrigler, R., Ballarat.—Grain. Oats and wheat in sheaf.
 Yeaman, A., Pannooamawn.—Wheat. Purple-straw wheat.

Class 68.—Bread and Pastry.

Guest, T. B., & Co., Melbourne.—Machine and hand-made fancy biscuits.
 Newman, C. T., Fitzroy.—Cakes. Biscuits.
 Swallow & Ariell, Melbourne.—Biscuits and cakes. Messrs. Swallow and Ariell received the following awards for this exhibit:—First Award (Silver Medal) for Novelty and Variety in Biscuits; First Award (Silver Medal) for Cakes and Wedding Cakes; and First Award (Silver Medal) for Excellence of Quality of Biscuits. They were also recommended by Jury Section XXXI. for the Emperor of Germany's Prize for the General Excellence of their Biscuits and Flour.
 Vine, R., Hotham.—Wedding-cakes.
 Walker, J. H., & Son, Melbourne.—Biscuits.

Class 69.—Fatty Substances used as Food. Milk and Eggs.

Adams, J. S., Alphington.—Olive oil.
 Bartram, J., & Sons, Melbourne.—Cheese. Butter.
 Bird, G., Sale.—Cheese.
 Burke, M., Woodstock-on-Loddon.—Cheese.
 Foy, F., Lancefield.—Cheese.
 Grimes, S., & Co., Brunswick.—Lard.
 M'Donald, M., Berwick.—Cheese.
 Mitchell, P., Romsey.—Cheese.
 O'Nial & Davies, Gippsland.—Cheese, Stilton and others.
 Warren, J., Melbourne.—Butter and cheese.
 Watson & Paterson, Melbourne.—Cheese.
 Wilson, W., Lancefield.—Cheese.

Class 70.—Meat and Fish.

Bartram, J., & Sons, Melbourne.—Bacon.
 Danelli, S., Brunswick.—Italian sausages.
 Grimes, S., & Co., Brunswick.—Hams. Bacon. Sausages. Cured provisions.
 Hutton, J. C., Melbourne.—Bacon. Hams. Ox-tongues. Pigs'-heads, &c.
 Kierath, C., Indigo.—Hams, bacon.
 Melbourne Ham & Bacon Curing Co., Melbourne.—Hams and bacon.
 Melbourne Meat Preserving Co., Melbourne.—Preserved meats and soups.
 Red Cross Preserving Co., South Yarra.—Potted meats. Anchovy and bloater paste.
 Warren, J., Melbourne.—Bacon.
 Watson & Paterson, Melbourne.—Bacon and hams, sausages, lard, &c. Turtle soup.
 Western Meat Preserving Co., Limited, Colac.—Preserved meats, game, soups, &c.

Class 71.—Vegetables and Fruit.

Bennett, H., Ballarat.—Potatoes.
 Cochrane, R. & J., Gippsland.—Hops.
 Dods, R., Marong.—Muscatel raisins.
 Ferguson, J., Melbourne.—Gippsland hops.
 Henley, J., Oxley.—Hops.
 Henty, J., & Co., Melbourne.—Hops.
 Laurens, J., Daylesford.—Peas. Potatoes.
 Lewis, W. E., Avenel.—Zante currants.
 M'Connell, J., Rochford.—Peas.
 Madresfield Plantation, Bairnsdale.—Hops.
 Mellon, F., Dunolly.—Fruits preserved in brandy, fruits preserved in water.
 Oldmeadow, T., Dunolly.—Fruits preserved in water. Jams.
 Red Cross Preserving Co., South Yarra.—Bottled fruits. Tomatoes. Preserved peas. (See advt. facing page xvi.)
 This Company received the following First Awards for this exhibit:—

Tart Fruits	Silver Medal.
Culinary and Bottled Fruits	Silver Medal.
Tomatoes in Tins	Bronze Medal.
" in Bottles	Bronze Medal.

 Redenbach, P., Gippsland.—Hops.
 Slater, W. H., Nunawading.—Dried fruits.
 Smith, C., & Co., Melbourne.—Hops.
 Smith, J., Northcote.—Sugar beet.
 Warrnambool Borough Council, Warrnambool.—Agricultural products.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Adams, S., Richmond.—Confectionery.
 Barrett, W., Ballarat.—Worcestershire sauce.
 Browne, M., Windsor.—Tomato sauce.
 Brown, W. P., Melbourne.—Tomato sauce. Conserved tomatoes. Gardiner sauce.
 Bush, J., South Yarra.—Tomato sauce.
 Cane, H., Melbourne.—Malt. Vinegar.
 Capper, S., & Co., Fitzroy.—Baking-powder. Yeast-powder. Vinegar, &c.
 Comport, H., Cheltenham.—Tomato sauce.
 Cooper, A., Brighton.—Syrups and liqueurs.
 Cunliff & Patterson, Fitzroy.—Jams. Jellies. Marmalade. Candied peels.
 Cunliff, M. L., Fitzroy.—Jellies. Meat. Fruit. Plums dried as prunes.

Dickson, J., & Co., Melbourne.—Vinegar.

Dillon & Burrows, Melbourne.—General and Fancy Confectionery, Chocolate Confectionery, Candied Peels, Preserved Fruits, &c.

This Firm received the following awards for their exhibits:—

Chocolate Confectionery, First Order of Merit (Silver Medal);

Fancy Confectionery, First Order of Merit (Silver Medal);

Candied Peels, First Order of Merit (Silver Medal);

Sugar-candy, the only First Order of Merit (Silver Medal);

Jujubes, Second Order of Merit;

Crystallised Fruit, Second Order of Merit;

Ordinary Confectionery, Second Order of Merit.

Dodds, R., Marong.—Oil of sweet almonds.

Guthell, E., & Co., Prahran.—Vinegar in casks and bottles.

Harper, R., & Co., Melbourne.—Coffee. Spices. Mustard. Chicory.

Hogg, T., Lilydale.—Jams, jellies.

Kierath, C., Indigo.—Tomato sauce and chutney.

Kruse, J., Fitzroy.—Sauce piquante.

Lavers, A. R., Melbourne.—Currie-powder.

Lewis & Whitty, Fitzroy.—Baking-powder. Custard-powder. Egg-powder. Currie-powder.

Lezza, S., Carlton.—Fancy confectionery.

Longmore, F., Melbourne.—Compound jam.

M'Clean, E., & Sons, Bridgewater-on-Loddon.—Liqueurs.

M'Donald, M., Melbourne.—Liqueurs, soda-water, cordials, &c. Manufactory: 18 Franklin-street, West Melbourne. Mr. M'Donald also manufactures the now celebrated Hop Champagne, of which he is the sole inventor and patentee. Awarded Six Orders of Merit at the Melbourne International Exhibition, 1880, including one Silver Medal (the only one awarded in Australia to a Cordial Manufacturer) and two Bronze Medals, for Maraschino, Ginger Wine, Ginger Brandy, Curaçao, Orange Wine, and Raspberry Vinegar.

M'Dougall, W., St. Kilda.—Tomato sauce.

Macgregor, T., Melbourne.—Baking-powder. Currie-powder. Essences. Vinegar.

M'Kenzie, J. F., & Co., Melbourne.—Coffee. Chicory. Pepper. Ginger. Spice. Currie-powder. Cocoa. Chocolate. Mustard, &c.

Marks, N. S., Melbourne.—Culinary essences.

Mellon, F., Dunolly.—Dried fruits. Wine vinegar. Preserved tomatoes.

Meyer, E., Collingwood.—Sauces. Pickles.

Newman, C. T., Fitzroy.—Jams.

Parsons Bros. & Co., Melbourne.—Raw and manufactured chicory. Roasted and prepared coffee. Spices.

Red Cross Preserving Co., South Yarra.—Jams. Jellies. Pickles. Sauces. Chutneys. Vinegar. Peel, &c. (See advt. facing page xvi.)

This Company received FIVE First Awards for this exhibit:—

Jams and Jellies	Silver Medal.
Candied Peel	Silver Medal.
Sauces	Bronze Medal.
Ketchup	Bronze Medal.
Pickles	Bronze Medal.

And Second Order of Merit for Marmalade.

Reed, H., & Co., South Yarra.—Raspberry vinegar and lime-juice cordial.

Riordan, F., Creswick.—Sauces.

Russell, T., Kingston.—Tomato sauce.

Stean, J., & Co., Melbourne.—Vinegar. Yeast-powder.

Stringer & Co., Melbourne.—Pickles. Sauces. Currie-powder. Baking-powder. Anchovy paste.

Swallow & Ariell, Melbourne.—Treacle. Golden syrup. Awarded First Order of Merit (Silver Medal).

Victoria Sugar Co., Melbourne.—Raw and refined sugar. Syrup, &c.

Victoria Vinegar Works, South Yarra.—Vinegar.

Victorian Confectionery Co., Melbourne.—General and fancy confectionery and preserved fruits.

For the above exhibit this firm was awarded the following Prizes:—

For Fancy Confectionery, First Order of Merit (Silver Medal).

For Chocolate Confectionery, First Order of Merit (Silver Medal).

For Sugar-Candy Confectionery, First Order of Merit (Silver Medal).

This firm was awarded the ONLY First Order of Merit (Silver Medal) for BOILED SUGARS.

For Jujubes and ordinary Confectionery this firm was awarded Second Order of Merit, with two additional Prizes.

Watson & Paterson, Melbourne.—Assorted fruits. Jams. Marmalade, &c.

West, J. & S., Phillip Island.—Mustard seed. Chicory.

Wood, J., & Son, Collingwood.—Lemon syrup, cloves, peppermint, sarsaparilla.

Zorn, E., Oakleigh.—Tomato sauce. Ketchup. Currie-powder, &c.

Class 73.—Fermented Drinks.

Adamson, T., Sunbury.—Hermitage. Riesling. Verdelho.

Aitken, T., Melbourne.—Ale and porter, in bulk and bottled. Whisky. Rum. Spirits of wine.

Andersen, R. & S., Sunbury.—Verdelho.

Anderson, T., Bet-Bet.—Unfermented wine.

Australian Freehold Land & Produce Co. Limited, Melbourne.—Muscat. Port. Riesling. Verdelho. Hermitage. Carbinet.

Baynes & Hearn, Wangaratta.—Bulk and bottled ale. Bottled stout.

Baynes, A., Wangaratta.—Ale, in bulk.

Best, H., Great Western.—Claret. Burgundy. Hock. Sultana.

Billson, G., Beechworth.—Ale and porter, bottled. Cordials. Bitters.

Borland, A., Loddon.—Hermitage.

Boyd & Head, Collingwood.—Ales and porter, in bulk and bottled.

Breusing, E., Nagambie.—Riesling. Hermitage. Black cluster. Gouais.

Browne, H., Emerald Hill.—Orange wine.

Bruhn, A., Sandhurst.—Carbinet. Hermitage. Pedro Ximenes. Hock.

Buchanan, C., Oudit.—Carbinet. Mataro. Liqueur wine.

Burne, J., Strathfieldsaye.—Hermitage, Chasselas.

Caldwell & Co., Melbourne.—Wine.

Castella, De, & Rowan, Lilydale.—Riesling. White Hermitage. Chasselas. Tokay. Brandy.

Caughey, A. & R., Melbourne.—Wine.

Chateau Tahbilk.—Hermitage. Carbinet, Ujni Blanc, Riesling, Port, Pedro Ximenes, Muscat, and Verdelho.

Cohn Bros., Sandhurst.—Ale, in bulk.

Cooper, A., Brighton.—Cordials. Aerated waters.

Coyle, P., Melbourne.—Ale and porter, in bulk and bottled.

Crippa, F., Hepburn.—Hermitage.

Daly, H. D., Dunolly.—Hermitage. Chasselas.

Daniel, C., Bulla.—Narbonne wine.

Davies, J., Melbourne.—Hock. Claret. Hermitage. Ngarveno.

Davis, R., Sunbury.—Hermitage. Pineau.

Dawbarn, J., & Sons.—Cordials. Aerated waters.

Dickson, J., & Co., Melbourne.—Cordials, British wines.

Dixon, P. G., West Melbourne.—Cordials. Aerated waters. (See advt., page xviii.)

For this Exhibit Mr. Dixon was awarded the following Prizes:—First Order of Merit for Peppermint; First Order of Merit for Raspberry; First Order of Merit for Potass Water; First Order of Merit for Lithia Water; First Order of Merit for Soda Water; and First Order of Merit for Magnesia Water—in all, **SIX BRONZE MEDALS.**

Dunns, P., Balaclava.—Stout and ale, bottled.

Eadie, J., Sunbury.—Hermitage.

Egli, F., Tabilk.—Hermitage.

Farrell, A., sen., Baringhup.—Engordo. Hermitage.

Faux, P., Dunolly.—Hermitage. Riesling.

Fehring, J., Yarra Track.—Black currant and gooseberry wine.

Fischer, A., Sandhurst.—Verdelho. Riesling. Hermitage. Frontignac.

Ford, T.—Verdelho. Carbinet. Aucarot. Hermitage. Sauterne. Riesling. Shiraz.

Fitzgerald & Newman, Castlemaine.—Ale, in bulk.

Fitzgerald & Perrin, Emerald Hill.—Ale, in bulk.

Fox, A. W., Sandhurst.—Hermitage. Carbinet. Verdelho. Madeira. Muscat.

Fuller, C., Inverleigh.—Pinnogree. Pineau Grès.

Fulton, E. G., Echuca.—Verdelho. Riesling. Pedro Ximenes. Carbinet. Hermitage. Grenache. Burgundy, &c.

Gemmell, J., Wooragee.—Sweet and dry Shiraz.

Giovannoni, D., Hepburn.—Hermitage.

Gooch, H. M., Melbourne.—Wine.

Gordon, C., & Son, Axedale.—Hermitage. Carbinet. Verdelho.

Greene, S., & Co., Fitzroy.—Cordials.

Griefenhagen, W., Strathfieldsaye.—Carbinet. Hermitage. Mataro. Verdelho. Riesling. White Hermitage.

Grosse, F., Sandhurst.—Riesling. Madeira. Tokay. Verdelho. Pedro Ximenes. Carbinet. Hermitage.

Hall, A., Williamstown.—Cordials.

Hanson, G., Waurin Ponds.—Chasselas. Hermitage.

Harris, J., Bendigo.—Hermitage.

Hemmons, Laws & Co., Melbourne.—Cordials.

Hennelly & Co., Melbourne.—Ale, in bulk and bottled.

Hopper, T., Carngham.—Milk punch.

Hornby, W., & Co., Williamstown.—Ale, in bulk.

Hoile, Mackay & Co., Melbourne.—Bitters. Wines. Cordials.

Hunter, J.—Ale, in bulk.

Jacton, T.—Bottled ale and stout.

Johnston, J. S., Sunbury.—Hermitage and hock.

Jones, W., Wedderburn.—Hermitage.

Joske, A., Melbourne.—Wine.

Kahland, J., Sandhurst.—Carbinet. Burgundy. Hermitage. Verdelho. Riesling. Pineau Blanc.

Chasselas. Blended wines.

Kitz, L., & Son, Melbourne.—Aucarot. Riesling. Carbinet. Frontignac.

Kurrie, R., Sunbury.—Hermitage and Riesling.

Latham, E., Melbourne.—Ale. Porter. Stout. In bulk and bottled.

Licensed Victuallers' Brewery Co. Limited, Melbourne.—Ale, in bulk.

Loan, L., Walhalla.—Bottled Ale. Cordials. British wines. Aerated waters.

Logan, D., Rutherglen.—Shiraz, Pedro Ximenes, Riesling, and Tokay.

Lyon, G., Beechworth.—Ale and porter, in bulk and bottled. Cordials.

M'Bean, R., Benalla.—Muscatel. Claret. Shiraz. Malbec. Muscat. Tokay.

M'Bride & Martin, Melbourne.—Ale and porter, in bulk and bottled.

McClellan, E., & Sons, Bridgewater-on-Loddon.—Cordials. Fruit wines.

M'Cracken & Co., Melbourne.—Beer and stout, in bulk and bottled.

M'Donald, M., Melbourne.—Fruit wines. Awarded First Orders of Merit (Bronze Medals) for Ginger-wine and Ginger-brandy.

M'Donald, W., Docker's Plains.—Tokay. Muscat. Verdelho. Port.

Macgregor, T., Melbourne.—Cordials. Bitters. Sarsaparilla. Ginger-brandy.

Mackiehan, J., Peshurst.—Hermitage, and white wines.

Macpherson, J., Melbourne.—Pineau. Hermitage.

Marks, R., & Co., Maldon.—Beer, in bulk.

Martin, J. F., Brown's Plains.—Riesling. Hermitage. Muscatel.

Martin, P. J., Melbourne.—Ale and porter, in bulk and bottled.

Mellon, F., Dunolly.—Hermitage. Mataro. Pedro Ximenes. Riesling. Muscatel. Verdeilho.
 Merle, J., Daylesford.—Samois.
 Metzger, L., Stawell.—Hermitage. Burgundy. Riesling. Mixture.
 Meyer, H., Sheepwash.—Madeira. Riesling. Chasselas. Hermitage. Carbinet.
 Moore, C. R., Daylesford.—Cordials.
 Mooney, J. & L., Ararat.—Hermitage and Chasselas.
 Morris, G. F., Brown's Plains.—Shiraz. Grenache. Tokay. Verdeilho. Riesling. Burgundy.
 Mueller, A., Yackandandah.—Wine, red and white. Liqueur wine.
 Myring, J., Castlemaine.—Ale and porter.
 O'Brien, H. D., Dunolly.—Hermitage. Chasselas.
 Pearce, J., Wahgunyah.—Wines.
 Perini, V., Hepburn.—Hermitage. Pineau.
 Pin, J. B., Brighton.—Chasselas. Vin Cint.
 Pohl, C., Strathfieldsaye.—Hermitage. Verdeilho. Riesling.
 Prevot & Bilton, Carlton.—Cordials. Cherry brandy. Rum punch. Sarsaparilla. Bitters. Maraschino. Curaçoa. Aërated waters.
 Pury, G. de, Yeringberg.—White Hermitage. Chasselas. Pineau Blanc.
 Ritchie Bros., Geelong.—Hermitage.
 Reau, C., Wahgunyah.—Sherry, Carbinet, Hermitage, and Riesling.
 Schmidt, F., Berwick.—Riesling. Hermitage.
 Schroeder, E., Castlemaine.—Riesling. Chasselas. Burgundy. Carbinet. Hermitage.
 Schwerkolt, A., Ringwood.—Sherry. Peach wine. Mead wine.
 Scott, J., Wahgunyah.—Aucarot. Shiraz.
 Shaw, F., Goornong.—Hermitage. Riesling.
 Smith, G. S., Wahgunyah.—Riesling. Aucarot. Shiraz. Carbinet, &c.
 Smith, J., & Son, Riddell's Creek.—Rheum.
 Smith, L. L., Nunawading.—Champagne. Claret. Burgundy. Champagne (Crème de Bouzie). Perle d'Australie, and other wines.
 Smith, T., Riddell's Creek.—Rhubarb wine.
 Steane, J., & Co., Melbourne.—Bitters. Tonics. Cordials. Fruit wines. Sarsaparilla. Wines.
 Stokes, S., Richmond.—Cordials.
 Taegtow, F., Williamstown.—Bottled ale and porter. Lager beer.
 Treacy, J., Geelong.—Ale and stout, in bulk and bottled.
 Trinkhaus, A., Muckleford.—Hermitage. Riesling. Tokay.
 Trouette & Blampied, Great Western.—Chablis. Riesling. Burgundy. Hermitage. Claret. Sauterne, and Hock.
 Turner, J., & Co., Melbourne.—Whisky (Ford's Castle Blend), in bulk. Awarded First Order of Merit (Silver Medal). (See advt., page xxiii.)
 Victoria Brewery, Wangaratta.—Ale.
 Warrenheip Distillery, Ballarat.—Spirits of wine. Malt whisky. Geneva.
 Wilson, A. S., Ivanhoe.—Wines, red and white.
 Wood, J., & Son, Collingwood.—Ale, in bulk and bottled. Bottled stout. Cordials. Bitters. Schnapps.

Class 72.—Specimens of Farm Buildings and Agricultural Works.
 Alston, G., Bulla.—Hay-rake. Models of haymaking machinery.
 Brown, E., Benalla.—Model of new sheep-washing apparatus.
 Flood, F., Melbourne.—Incubators. Artificial mothers.
 Fraser, A., Melbourne.—Grape-mill—to strip, crush, and discharge stems.
 Hall, A., Williamstown.—Patent bottle-racks.
 Joyce, A., Maryborough.—Incubator.
 Lyon, C. H., Ballan.—Model of sheep-wash. Model of apparatus for stacking hay.
 M'Donald, D., Coburg.—Improved field elevator.
 M'Lean Bros. & Rigg, Melbourne.—Wire fence.
 Miller, J., Melbourne.—Portable plug reservoirs.
 Murray, M. J., Brunswick.—Wire screen for winnower.
 Parkes, W. H. E., Sandhurst.—Models of American patent automatic gate.

Pullinger, F., Melbourne.—Iron wine-bins.
 Quinlivan, T., Coghill's Creek.—Patent band-cutter and threshing machine.
 Victoria Rolling Mills, Melbourne.—Hurdles. Posts for wire fencing. Standards for cattle enclosures.
 West, J. & B., Essendon.—Horse hay-rake.
 Willis, W., & Co., Melbourne.—Squatting requisites.
 Wright & Edwards, Melbourne.—Sheep-washing machine.

Class 75.—Conservatories and Horticultural Apparatus.

Bauld, R., Sandridge.—Aquarium.
 Breslin, N., Melbourne.—Curvilinear room and window conservatories.
 Dower, J., Sandridge.—Aquarium. Fernery.
 Jones, J., Carlton.—Revolving wire flower-stand.
 Trembling, G., Geelong.—Model of greenhouse.

Class 76.—Flowers and Ornamental Plants.

Cresswell, C. F., Melbourne.—Flower seeds.
 Guilfoyle, W. R., F.L.S., &c.—Carpological collection.
 Watt, D., Richmond.—Collection of ferns and tropical plants.

Class 78.—Fruit and Fruit Trees.

Department of Agriculture, Melbourne.—Fruits.

Class 79.—Seeds and Saplings of Forest Trees.

Cresswell, C. F., Melbourne.—Tree and shrub seeds.
 Nicholls, R. U., Ballarat.—Seeds of forest trees.

Class 81.—Apparatus and Processes of the Art of Mining and Metallurgy.

Allen, J., Ballarat.—Model of safety mining cage.
 Australian Lithofracteur Co.—Lithofracteur. Awarded First Order of Merit (Silver Medal) by Jury Section XIX., page 108. (See advt., page xx.)
 Bendigo Iron Works, Sandhurst.—Model of Seymour's patent safety-cage. Seymour's patent cam.
 Bland, R. H., Clunes.—Model of cake of gold, representing total from the Port Phillip and Colonial G. M. Co.'s mine.
 Bright Bros., Melbourne.—Plumbago crucibles.
 Commissioners of Exhibition.—Gold trophy, representing gold raised in Victoria from 1851 to 30th June, 1880, 49,098,408 ozs., or about 1503 tons; value of £196,393,682.
 Conway, J. P., Ballarat.—Working model of horizontal engine and winding-gear, complete.
 Cottew, J. E., Melbourne.—Patent mining signals.
 Davidson, J., Ironbark.—Davidson's safety cage, as used in the Garden Gully United Co.'s mine.
 Fletcher, D., Beechworth.—Model of sluice-boxes.
 Ford, R. G., East Brighton.—Ford's patent pumping-engine, electric fuse for blasting, improved patent rock-boring machine, &c.
 Glasson, T. H., Sandhurst.—Working model of the Victory and Pandora Co.'s machinery.
 Goynes, J., & Co., Epsom.—Stamper-gratings used for quartz-crushing mills.
 Great Extended Hustler's Co.—Collection of miners' tools.
 Harvey, T., Yackandandah.—Metallic mining hose and coupling joint.
 Her Majesty's Mint (Melbourne Branch).—Models and apparatus illustrating the operations of minting, as carried out in that department.
 Hickman, J., Ballarat.—Complete set of mining tools.
 Hillman, J., Ballarat.—Denny and Roberts' patent pulveriser and amalgamating pans.
 Hope, A., Melbourne.—Patent double-action stone-breaking machine.
 Hopkins, J. R., Ballarat.—Horizontal engine and ten head of stamps, showing copper plates, blanket-tables.
 Horwood's Foundry, Sandhurst.—Working model of steam-hammer. Watt's patent disc. Forgings, &c.

Hughes & Harvey, Melbourne.—Galvanised iron mining buckets.

Knobel, G. A., Hotham.—Model of twin ventilators, and full-sized improved blast and exhaust fan.

Lal Lal Iron Co.—Iron ore and products.

Langlands Foundry Co., Melbourne.—Quartz-crushing battery and appliances.

Long Tunnel G. M. Co., Walhalla.—Samples, illustrating process of separation of gold from pyrites.

McKay, J., Ballarat.—Model of safety-cage.

Macintosh, H., Melbourne.—Woven wire and quartz grating, &c.

Mathieson, J., Melbourne.—Mining tools.

Matthews, W., Ballarat.—Model of patent safety-cage.

Millen, J., Sandhurst.—Model, in silver, of quartz-crushing plant, worked by electro-magnetism.

Morgan, W., Melbourne.—Whim buckets.

Munro, D., & Co., Melbourne.—Winding, pumping, and quartz-crushing machinery. Pulveriser. "Victory" patent safety mining cage.

Perry, J., Melbourne.—Mining pick-handles.

Pleasant Creek Cross Reef Q. M. Co., Stawell.—Trophy of model ingots of gold, representing yield from mine.

Rasche, W., C.E., Melbourne.—Patent direct-acting quartz battery, and model of same.

Sale Borough Council.—Section of Artesian well.

Sandhurst School of Mines.—

Gold trophy (pyramid), representing gold raised on Sandhurst between 1851 and 1880.

Gilded pots, representing yields of gold from various mines.

Full-sized representation of a saddle-reef.

Hendy's "Challenge" ore feeder. Collection of mining models.

Seymour, J. H., Sandhurst.—Full-sized patent dove-tailed cam, and models of various patents.

Sutherland, A., & Co., Melbourne.—Fire-clay retorts.

Thomas, R., Sandhurst.—Model of winding and pumping engine, and crushing-battery.

Thomson, R., Walhalla.—Mine level register.

Treize, H., Sandhurst.—Model of Davidson's safety-cage.

Wayman & Co., Stawell.—Safety mining-cage.

White, D., Stawell.—Model of safety-cage and appliances for working in mining shafts.

Wright & Edwards, Melbourne.—Australian patent water-auger. Tools for extracting cores. Awarded First Order of Merit (Silver Medal) for the Australian Water-Auger by Jury Section XXVIII., page 158. (See advt., page xvii.)

Young, P., Melbourne.—Strong wire-work, for screening ores.

Class 82.—Mining and Metallurgy.

Abel, A. T., Ballarat.—Collection of minerals.

All Nations Reef, Talbot.—Auriferous quartz.

Altman, E. A., Melbourne.—Models in oxydised silver.

Anderson Bros., Maryborough.—Auriferous quartz.

Anderson, Capt.—White sand, Waterloo Bay.

Ararat Shire Council.—Building stone.

Bailey, J. F., Melbourne.—Fossils.

Band of Hope & Albion Consols Q. M. Co., Ballarat.—Quartz specimens.

Bank of Australasia.—Gold specimens.

Barr, J., Majorca.—Auriferous cement and magnesium concretions, from Majorca lead.

Beechworth Committee.—Minerals, auriferous quartz, &c.

Bentley, C., Melbourne.—Electroplated work and stampings.

Berry, H., Melbourne.—Salt, in blocks and bags, from Lake Cundare, near Colac.

Betts & Walker, Sandhurst.—Calc-spar occurring in "lava streaks" or dykes.

Black Horse United G. M. Co., Egerton.—Auriferous quartz. Amalgam, retorted and smelted gold.

Bland, R. H., Clunes.—Mineral specimens.

Blight, J., Mount Alexander Quarries.—Granite, with copper pyrites and molybdenite. Cubes of polished granite.

Bombay Gold & Antimony Co., Heathcote.—Mass of stibnite, 4 cwt., with regulus, fine oxide, magnesite.

Boulter, J., Ararat.—Salt.

Brache, J., Northcote.—Manganese and cobalt ore, from near Walhalla.

Bright Bros. & Co., Melbourne.—Antimony—"Star" and "Regulus."

Bristol Hill Q. M. Co., Maryborough District.—Auriferous quartz, from 600-ft. level.

Butler's Reef Co., Heathcote.—Gold specimens.

Carlisle & North Garden Co., Sandhurst.—Auriferous quartz. Mammillated sandstone and pyrites.

Carter, G. D., M.P., Melbourne.—Lignite, from Crossover.

Chapman & Edwards, Sandhurst.—Samples, illustrating pyrites roasting.

Chapman, C. W., Sandhurst.—"Lava streak," with olivine in large masses.

Clark, J., Stawell.—Quartz, found in drift.

Clarke, S. H., Fryer's Creek.—Quartz with gold, pyrites, and galena. English and Australian G. M. Co.

Cleland, J., Phillip Island.—Coal from Western Port Coal Co.'s mine at Kilcunda.

Cock, J., Sandhurst.—Quartz crystals.

Cole, S. G., Victoria Reef, Sandhurst.—Quartz crystals.

Connelly, T. J., Sandhurst.—Tinware. Copperware.

Connor, J. H., jun., Geelong.—Minerals.

Corrie, C. H., Eaglehawk.—Secondary pyrites on quartz.

Cresswell, Rev. A. W., Camberwell.—Fossils.

Crook & Busst, Melbourne.—Wire-work cloths, netting, &c. Domestic articles in wire-work.

Crystalline Reef, Majorca.—Gold-bearing casing; quartz crystals.

Cutten, W. C., Sale.—Rough, polished, and mounted stones (ferro-calcites).

Dangerfield & Co.—Iron castings.

Danks, J., Melbourne.—Electroplating and gilding in gold, silver, copper, and nickel.

Davidson, H., Beechworth.—Auriferous quartz, minerals.

Davison, G., Melbourne.—Bells.

Dixon, W., Anderson's Creek.—Specimens of diorite.

Draper, Dyer & Co., Melbourne.—Nickel and electroplated goods.

Duggan, D. J., Tarnagulla.—Large crystal of smoky quartz.

Duncan, R. D., Melbourne.—Victorian minerals.

Dyring, W., Tallangatta.—Tin ores, smelted tin.

Eaglehawk Union Co., Tarrengower.—Metamorphic schist, from crosscut at 1200 feet. Elvan rock.

Egerton G. M. Co., Egerton.—Auriferous quartz.

Enticott & Shawcross, Melbourne.—Ornamental, japanned, and embossed brass, tin, and copper goods.

Flatow, J., Hotham.—Minerals.

Fletcher D., Beechworth.—Cairngorm, cut and mounted.

Fone's Reef Q. M. Co., Burke's Flat.—Auriferous quartz, with copper, zinc, galena, and pyrites.

Fraser, R., Castlemaine.—"Slickenside" of quartz with gold. Quartz with gold and galena. From "Eureka Reef."

German Reef Tribute Co., Maldon.—Auriferous quartz and arsenical pyrites. Roasted quartz.

Gilbert, T., Clunes.—Auriferous quartz, raw pyrites, and pyrites refuse, oxide of magnesia, &c.

Great Southern Co., Great Extended Hustler's.—Auriferous quartz.

Greer & Ashburner, Melbourne.—Wire cloth. Wire fire-stands.

Gregory, J. W., Wandiligong.—Quartz.

Hale, T., Daylesford.—Auriferous quartz and wash-dirt; fossil wood, &c.

Hamilton, G. W. N., Melbourne.—Electroplated goods.

Harris & Hollow, Bethanga.—Three blocks copper ore from "Pride of Bethanga" mine.

- Holloway, H. W., Melbourne.—Specimens of galvanoplastic art, electrotypes, &c.
- Holstein, G., Bright.—Auriferous quartz and washdirt, from Freeburgh, Bright, &c.
- Howes, D. J., Melbourne.—Coal, from Mosquito Creek, Moe.
- Howitt, W., jun., Melbourne.—Smiths' work.
- Hughes & Harvey, Melbourne.—Japanned and other tinware.
- Hughes & Preston, Collingwood.—Star antimony, pig lead, and ores.
- Hunter, J., Stawell.—Blocks of quartz, from G. N. Co.
- Jessop, J. P., Yackandandah.—Drift and cement.
- Jewell, E., Bridgewater-on-Loddon.—Gypsum.
- Kennedy, J. R., Gaffney's Creek.—Auriferous quartz.
- Kirkwood, H., Eaglehawk.—Samples, illustrating the treatment of gold-quartz.
- Kissane, W. R., Melbourne.—Coal, from Cape Paterson.
- Kitchingman, E. L., Bethanga.—Mineral specimens, &c.
- Knobel, G. A., Hotham.—Antimony ore, with gold, from Arcona mine, near Morton.
- Lal Lal Iron Co., Lal Lal.—Iron ore, pig iron, castings, &c.
- Lane, Zebina, Malmsbury.—Washdirt, secondary pyrites, cement, &c.
- Lavater, G. T. A., Melbourne.—Coal, from Narracan Creek.
- Lee, Mrs.—Dendrites, from Grampians tunnel.
- Leonard, S. S., Cobden.—Burnt limestone, slacked and unslacked.
- Lockridge, D., Melbourne.—Electrotypes.
- Lock, Messrs., Maldon.—Auriferous quartz.
- M'Ilwraith, J., Melbourne.—Block-tin. Lead. Sheet lead. Lead, compo., and tin pipe. Pig lead, &c.
- McMasters, R. J., Malmsbury.—Washdirt, with minerals and gems found in it.
- M'Millan, A., Carlton.—Hardware.
- Mackenzie, L., Amherst.—Infusorial earth.
- Malmsbury Confluence G. M. Co.—Washdirt, &c.
- Mansfield, C. W. J., Bethanga.—Ores from Pride of Bethanga, Gift, and Polsen's claims, and their products.
- Marks, J., Melbourne.—Gilding and electroplating.
- Marks, M., & Co., Melbourne.—Electroplated ware.
- Massey, J. W., Maldon.—Arsenical pyrites.
- Mayes, J., Stawell.—Elvan dyke stone.
- Meins' Freehold G. M. Co., Guildford.—Block of washdirt.
- Mines, Department of.—Rocks. Fossils. Minerals. Coal. Building stone. Cores from bores.
- Munday, J., Cooper's Creek.—Collection of ore, "country" rock, and products of the mine.
- National Bank of Australasia.—Gold specimens.
- New Chum Consolidated Co., Sandhurst.—Auriferous quartz.
- New Era G. M. Co., Fryer's Creek.—Auriferous quartz, with pyrites and zinc blende. Quartz crystals.
- New Good Hope Co., Grant.—Auriferous quartz.
- Nicholas, H. B., Castlemaine.—Quartz crystals, auriferous quartz, and cement. Rocks, &c.
- Nicholls, C. F., Melbourne.—Quartz, coal, tin, &c.
- Normanby Q. M. Co., Dargo.—Quartz specimens.
- North Shenandoah Q. M. Co., Sandhurst.—Auriferous quartz.
- Oakley, G. N., Melbourne.—Molybdenite in granite, from near Yea.
- Ord, M., Stawell (for local Exhibitors).—Mineral specimens, &c.
- Parker, W., Walhalla.—Diorite and other rocks.
- Parkins' Reef Tribute Co., Maldon.—Auriferous quartz, with pyrites and mixed sulphides.
- Patton, E. S., Kew.—Iron monumental tablets.
- Peak, T. F.—Crystallised gypsum, from Jung Jung.
- Pearson, W., Melbourne.—Auriferous quartz, from Long Tunnel Gold Mining Co., Walhalla; pyrites.
- Penal Establishment, Coburg.—Tinware. Furniture castings.
- Pigdon, J., Melbourne.—Flagging sawn out of Lethbridge stone, for Parliament House.
- Queen G. M. Co., Ballarat.—Case of reef showing the mundic vein and indicator slates.
- Queen's Birthday Co., Dunolly.—Golden quartz.
- Radcliffe, W., Buckland.—Washdirt from Buckland River.
- Radford, W. J., Melbourne.—Tinware. Iron tubs.
- Rea, M. E., Eldorado.—Tin furnace droppings.
- Ristori Freehold G. M. Co., Kingston.—Alluvial washdirt, with gold.
- Rolleri, G., Daylesford.—Auriferous quartz; magnesian concretion.
- Rosales, H., Walhalla.—Specimens illustrating his patent process for extracting gold from pyrites without roasting; models, &c.
- Rowe Bros., Fryers.—Quartz crystals. Quartz with gold and galena; gold. Conglomerate of secondary pyrites and quartz.
- Rowley, W. & G., Melbourne.—Metallic bird-cage.
- Royal Saxon Co., Fryer's Creek.—Quartz with coarse gold, and "country" rock from hanging and foot walls of reef.
- Schlossman, S., Melbourne.—Model of the "Viscount Canterbury" nugget.
- Sandhurst School of Mines.—Antimony ore (stibnite with cervantite), from Whroo. Pyrites, graptolites, auriferous quartz, &c.
- Scott, R., Melbourne.—Infusorial earth.
- Selle, C. H., Carlton.—Pewter goods, candle-mould, non-corroding taps, &c.
- Shaw & Co., Melbourne.—Tinned, japanned, and galvanised ware.
- Sherring, Mrs., Dry Creek.—Cut gems.
- Sloan, J. H., Alexandra.—Cobalt ore.
- Smith, S. W., Footscray.—Minerals.
- Smith, T. Y., Stawell.—Micaceous iron, from Mount Woortak, Grampians.
- St. Catherine's Reef United Co.—Fine slabs, with dendrites.
- Tasmanite Manufacturing Co., Melbourne.—Castings. Raw material and prepared.
- Technological Museum, Melbourne.—Trophy of the rare Zeolites, "Phacolite" and "Phillipsite," from the corporation quarries, &c.
- Telegraph Extended G. M. Co., Maryborough.—Auriferous quartz, with pyrites and galena; with hanging and foot wall.
- Temperance G. M. Co., Ballarat.—Auriferous quartz.
- Thomson, R., Walhalla.—Auriferous quartz, diorite, slate quartz, calcite, tailings, and pyrites.
- Union G. M. Co., Amherst.—Auriferous quartz, with pyrites and zinc blende.
- Union G. M. Co., Tribute, Mount Greenock.—Washdirt and reef.
- Victoria Iron Rolling Co., Melbourne.—Bar-iron. Iron for special purposes. Angle-iron. Riddle-iron. Stripper-teeth iron, &c.
- Victorian Compressed Fuel Co., Geelong.—Hunter's patent compressed fuel. Lignite.
- Virtue, P., jun., Daylesford.—Washdirt from Perseverance Co., Majorca.
- Vulcan Foundry, Geelong.—Wire strainer.
- Walker, Mrs., Stawell.—Dendrites, from Cosmopolitan reef, Stawell.
- Washington Freehold G. M. Co., Ballarat.—Auriferous quartz.
- Western Port Coal Mining Co. Limited, Melbourne.—Coal.
- White, D., Stawell.—Cores taken out by the diamond drill, and showing sections of the bore. Quartz. Tailings. Pyrites, &c.
- White, W. W., Castlemaine.—Pot-holed stone.
- Willis, W., & Co., Melbourne.—Wire strainers.
- Winterbottom & Stephens, Sandhurst.—Dentritic markings on slate, from Carshalton reef.
- Working Miners' G. M. Co., Homebush.—Rich washdirt, with model of 86-oz. nugget.
- Wraith, H., Harrierville.—Minerals, rocks, fossils, auriferous quartz, &c.
- Yates, G., Castlemaine.—Oxide of iron, crude arsenic. Arsenic and sulphuric acid.
- Young, P., Melbourne.—Arches, arbours, flower-stands, fireguards, in wire-work.

LADIES' COURT.

- Aarons, Miss.—Oil painting on satin.
 Adair, E. M., Richmond.—Fern tables.
 Addis, Miss, South Yarra.—Point lace, embroidery on satin.
 Anderson, A., Belfast.—Cuttlefish-flowers.
 Anderson, C., Moonee Ponds.—Feather flowers.
 Armitstead, A. E., Hotham.—Wool flowers.
 Aspinall, F.—Ode on the Exhibition.
 Austin, Mrs.—Hearthrug.
 Baker, F. A., Windsor.—Silk and paper flowers. Painted hand-screens.
 Barclay, G. M., Ballarat.—Wool-work slippers.
 Barry, I. H., Coburg.—Wax flowers.
 Bassett, E., Richmond.—Limerick lace; velvet cushion, embroidered with Irish salmon scales; velvet cushion, &c.
 Batters, E. A., Prahran.—Wool-work picture.
 Bawden, C.—Wool-work fire-screen.
 Beale, Miss, Greensborough.—Piece of bed-curtain taken from Napoleon's death-bed at St. Helena.
 Bedford, Miss, Geelong.—Flowers embroidered on satin.
 Bell, Mrs. L. W., St. Kilda.—Hand-painted table.
 Bibbey, B., Richmond.—Cover, in tape work.
 Bice, H., Richmond.—Children's woollen boots.
 Boobier, N., Sandhurst.—Paintings on silk, &c.
 Borland, M., Maryborough.—Picture in leather-work frame, stuffed birds and flying squirrels.
 Boyd, S. P., St. Kilda.—Vase of flowers.
 Bragge, M. J., Carlton.—Cross, in imitation Parian marble.
 Bray, E. A., St. Kilda.—Articles made of rock-melon seeds.
 Brearley, J. L., Kew.—Embroidery on crewel canvas, for bedroom suite.
 Bride, A., Heathcote.—Silk patchwork cushion.
 Broadbent, I., Melbourne.—Child's dress. Lady's dress.
 Brooker, G., sen., Collingwood.—Cuttlefish flowers.
 Brookman, M. R., Sandhurst.—Painted groups of flowers. Point lace.
 Brown, Miss E. A., Balaclava.—Imitation old Venetian point lace.
 Bruce, M. A., Windsor.—Crochet antimacassar, and wool-work cushion.
 Bryer, K., Emerald Hill.—Dolls' millinery.
 Bull, Mrs. G., Melbourne.—Wool-work chair.
 Burton, Miss, Melbourne.—Ottoman and antimacassar.
 Burton, I. A., Melbourne.—Fancy-work made in the school.
 Caldwell, E., Geelong.—Fancy-work in perforated cardboard.
 Chapman, J., Colac.—Bracelets, rings, crosses, &c., in hair-work.
 Clarke, Master.—Carving on wood.
 Clarkson, E., Fitzroy.—Wool flowers.
 Clarkson, J., Fitzroy.—Wool flowers.
 Coates, A. C., South Yarra.—Fret-work bracket and frames.
 Cocking, J., Kew.—Splash-work table. Venetian point-lace handkerchief.
 Cole, C., Geelong.—Flowers painted on silk.
 Cooper, E. S., Fitzroy.—Embroidered cushion and fender-stool. Fern-work music-case.
 Cruikshank, F. & B., Sandhurst.—Fancy-work, painting on silk, bead-work, &c.
 Davison, J. A., Woodend.—Frilling, caps, and bugle collar.
 Dawbin, Mrs. T.—Needle-work and wool-work pictures.
 De Grandet, Mrs., Ararat.—Hair flowers.
 Denham, Miss.—Painted screen and cushion.
 Dimelow, Miss, Richmond.—Cone whatnot.
 Doherty, E. J., St. Kilda.—Wax flowers. Leather-work brackets. Darned net table-cover.
 Douglass, Mrs. A., Geelong.—Skeleton leaves.
 Elsbury, M., Castlemaine.—Knitted quilt.
 Esmond, G. M., Ballarat.—Wax, rice, and paper flowers. Wool antimacassar.
 Esmond, S., Ballarat.—Lace, silk embroidery.
 Finley, A. & E., Kew.—Embroidery in silk. Doll.
 Fisher, A., Geelong.—Fret-work.
 Fisher, S. A., Geelong.—Fancy-work in straw.
 Flatow, Mrs. J., Hotham.—Pressed ferns. Picture of everlasting flowers, grasses, and fungi. Device in coral shells and seaweed, &c.
 Forrest, T., Gippsland.—Ornamental work made from fern-trees, &c.
 Fraser, E. F., Creswick.—Tapestry pictures.
 Frost, R., Portland.—Cuttlefish flowers.
 Fuller, E., Inverleigh.—Feather flowers.
 Gamon, T., Footscray.—Cuttlefish flowers. Seaweed pictures.
 Gerson, R. A., Melbourne.—Embossed silk flowered banner-screen.
 Gerson, S. L., Melbourne.—Paper flowers.
 Girdwood, Mrs., Emerald Hill.—Cone frame, with wool flowers.
 Gomm, S. A., Cheltenham.—Ornamental flower-stand and bride's cake made from the pith of rushes.
 Goode, L., Carlton.—Leather-work frame.
 Grandison, M., Windsor.—Paper flowers.
 Grant, Mrs. J., Hotham.—Wool-work picture.
 Greathead, S. P., Hotham.—Smoking-cap.
 Griffin, Mrs., Melbourne.—Point lace.
 Grover, M. M., St. Kilda.—Fern-work table.
 Hadland, Mrs. J., Ararat.—Patchwork quilt.
 Hardbottle, B., Melbourne.—Articles in leather-work.
 Harriott, Mrs., Hamilton.—Pictorial fire-screen.
 Haughton, C., jun., Carlton.—Miniature suite of drawingroom furniture, carved in bone, &c.
 Hayward, M. E., Richmond.—Pictures cut out with scissors.
 Heinze, A., Fitzroy.—Needle-work upholstery.
 Henderson, A. R., Richmond.—Paper flowers.
 Henry, Mrs. M., Carlton.—Pictures in paper flowers, fern leaves, &c.
 Henty, Mrs. R., South Yarra.—Collection of lace.
 Higgins, M. J., Caulfield.—Wool-work picture.
 Hillas, Mrs., Melbourne.—Patchwork tablecover and cushions.
 Hodgkinson, Miss A., Melbourne.—Fruits, &c., modelled in wax.
 Holder, M. S., Melbourne.—Wax and paper flowers.
 Holland, Mrs. M., Ballarat.—Down quilt.
 Hordern, C., Hawthorn.—Fender stool, footstools.
 Howe, Mrs. S., Collingwood.—Patchwork quilt.
 Huie, Miss.—Australian arms painted on china.
 Hurst, K. & E., Hawthorn.—Point-lace parasol cover, antimacassar, toilet set, &c. Crewel-work apron.
 Irvine, J. F., Melbourne.—Fancy-work.
 Jamieson, M., Fitzroy.—Wool-work pictures.
 Janes, L. & H., Collingwood.—Imitation marble cross and harp. Crochet quilt.
 Jefferson, E., Fernshaw.—Preserved ferns.
 Jeffreson, C., South Yarra.—Hand-made lace.
 Johns, Miss.—Cone frames.
 Johnson, Miss E. A., Emerald Hill.—Embroidery on silk and satin, dressed doll, children's dresses.
 Johnston, P., Ararat.—Plate, knife, fork and spoon, chains, &c., carved in wood.
 Johnstone, J. H., Geelong.—Seaweed picture. Picture-screen.
 Jones, M., Melbourne.—Embroidered toilet set.
 Keen, E., Geelong.—Patchwork quilt.
 Kelly, Mrs. M. A., Ballarat.—Lace.
 Kelsall, J. E., Cape Otway.—Boxes of muskroot and other Cape Otway woods.
 Kitz, Mrs. C., Melbourne.—Wax flowers. Fret-work.
 Laing, M. M., Prahran.—Crystal cross and flowers.
 Lancelot, A., Fitzroy.—Fret-work fan, for photographs.
 Lanyon, Miss E., Fitzroy.—Pressed flowers.
 Laurance, A., Hotham.—Gold, silver, black, and white point lace.
 Laurance, C., Hotham.—Darned net antimacassar. Lace darned upon Brussels net.
 Lee, Miss A., Melbourne.—Wool-work picture.
 Lee, E., Melbourne.—Ladies' underclothing.
 Leek, E., Yarraville.—Fancy picture, in leather-work frame.
 Le Souef, E. W., Melbourne.—Splashed fern table.
 Levi, —, Melbourne.—Porcelain flowers.
 Lewellin, G. E., Prahran.—Skeleton leaves.

- Liddlelow, A., Gippsland.—Cone picture-frames.
 Lister, M., Sandridge.—Wax flowers.
 Little, F., Brighton.—Point-lace veil, fac-simile of that worn by the Princess of Wales at her marriage.
 Lyon, J. G., Carlton.—Fern-work loo-table; wool-work picture mounted in fern-work frame.
 M'Alpine, Miss, Richmond.—Mottoes on perforated card.
 M'Alpine, C. A., Richmond.—Fancy articles in wood and metals.
 M'Donald, M., Hotham.—Wax flowers. Leather-work frame.
 M'Donnell, F. M., Richmond.—Pack of hand-painted cards.
 McGivern, E., Hotham.—Wool flowers.
 McMillan, A. G., Melbourne.—Fruits, &c., modelled in wax.
 McWalter, E., Melbourne.—Basket of flowers.
 McWalter, J. W., Melbourne.—Alum cross, with passion flowers.
 Manley, B. E., St. Kilda.—Hand-painted tables.
 Maybille, S. A., Melbourne.—The Lord's Prayer, embroidery in floss silk.
 Meyers, J. S., Collingwood.—Baskets, leather-work frames.
 Miller, M. C., Richmond.—Wool flowers.
 Mills, H. W., Windsor.—Silk picture, worked in 1779.
 Mirams, I. C., Richmond.—Crochet quilt.
 Monahan, Miss M., St. Kilda.—Point lace.
 Monkhouse, S., Richmond.—Patchwork quilt.
 Moore, O. & E. F., St. Kilda.—Painted satin border of tablecloth.
 Morgan, M., Carlton.—Wool flowers.
 Mowat, M. A., Collingwood.—Pictures, &c., in seaweed and shells.
 Murphy, K. J., Heathcote.—Point-lace antimacassar, collar and cuffs. Irish linen antimacassar.
 Nall, H., Beechworth.—Hand-knitted woollen hosiery.
 Naughton, B., Richmond.—Patchwork counterpane.
 O'Callaghan, Miss E.—Flowers, in water-colours.
 O'Callaghan, K., Hawthorn.—Lace toilet set.
 O'Callaghan, Miss M.—Flowers, in water-colours.
 O'Connell, Mrs. J.—Socks.
 Oliver, S., Ballarat East.—Lace curtains and dress.
 Ormond, Mrs. M. E., Geelong.—Hand-painting on glass.
 Owen, Mrs. J., Hotham.—Paper flowers. Carved emu eggs. Embroidered shirt.
 Paterson, E. J., Hawthorn.—Needle-work picture.
 Patton, E. S., Kew.—Poem on Sydney International Exhibition. Embroidery on silk and satin.
 Pearson, E., Carlton.—Paper flowers.
 Peebles, C., Melbourne.—Two hand-painted pictures—feather and flower.
 Peebles, E. J., Melbourne.—Wax flowers, seaweed, and shells.
 Peebles, F. J., Jolimont.—Wax flowers.
 Penny, E. T., Carlton.—Skeleton leaves.
 Phillips, C., Carlton.—Wool flowers.
 Phillips, E. B., Prahran.—Wool flowers.
 Pidgeon, M., Hotham.—Shell and seaweed ornaments.
 Pinkus, S., Hotham.—Wool flowers.
 Plimpton, R., Fitzroy.—Leather-work table. Wax flowers.
 Potter, Mrs. W., Emerald Hill.—Basket of wool flowers.
 Potts, M. A. & R., Richmond.—Point lace, handkerchiefs, imitation honiton lace, and feather hand-screen.
 Power, Misses H. & S., Melbourne.—Fancy needle-work and embroidery.
 Prunty, Mrs., Footscray.—Antimacassar, collar and cuffs.
 Puckey, E. P., Collingwood.—Wool flowers.
 Purnell, A., Geelong.—Hand-painted table.
 Reed, A., South Yarra.—Crochet quilt.
 Reid, Mrs. R., Flemington.—Cross, in imitation Parian marble.
 Rich, H., Fitzroy.—Point lace.
 Richardson, Mrs., Melbourne.—Embroidery on velvet.
 Riley, I., Windsor.—Paper flowers.
 Robertson, R. L., Richmond.—Cone frame.
 Roberts, I., Melbourne.—Knitted bed-covers.
 Roddy, S., Carlton.—Wool picture.
 Rooke, E. C., Collingwood.—Picture in Berlin wool.
 Rosman, Mrs. M., Fitzroy.—Knitted quilt.
 Rowe, Mrs. H. E., Ballarat.—Wax fruit.
 Rumbell, W., Geelong.—Vase and picture-frames in shell-work.
 Russell, C. H. G., East Melbourne.—Tatted piano stool-cover.
 Sage, C., Camberwell.—Embroidery on satin. Wool-work.
 Sage, C. H., Camberwell.—Darned net.
 Sarjeant, S. A., Fitzroy.—Wool-work picture.
 Sasse, S. & P. A., Geelong.—Macramé fringe. Fret-work.
 Sayers, Mrs. E., Carlton.—Leather-work. Wool flowers.
 Schafer, C., Windsor.—Oleo. mezzotint, on satin.
 Seekamp, F. W., Carlton.—Eggshell ornaments.
 Shand, M., Hotham Hill.—Fern-work table.
 Shann, Mrs. Richd., Brighton.—Group of flowers, painted on velvet.
 Shaw, J., Maryborough.—Lace. Wool, silk, and bead work.
 Simons, L., Melbourne.—Paper flowers and trees.
 Simons, R., Melbourne.—Paper flowers, hand-painted.
 Sinclair, Mrs. E., Melbourne.—Ferns.
 Sinclair, M. A., Fitzroy.—Crochet quilt.
 Smith, Mrs. S., Tyrendara.—Honiton lace kerchief.
 Solomon, E., Fitzroy.—Wool-work picture.
 Stark, Miss M. H., Hotham.—Cross in imitation of Parian marble. Paper flowers.
 Stillman, W. L., St. Kilda.—Chess-table, etched.
 Sturrock, G., Carlton.—Wool-work pictures.
 Syme, J., Cheltenham.—Ornamental pith-work.
 Symons, P., Fitzroy.—Point and honiton lace.
 Taylor, A., Melbourne.—Crochet antimacassar.
 Taylor, A. E., Melbourne.—Paper flowers and alum cross.
 Taylor, L., Melbourne.—Fancy card baskets. Carved book-mark.
 Taylor, Mrs. J., Sandhurst.—Wax flowers.
 Taylor, Mrs. R., Melbourne.—Leather-work cornices.
 Taylor, R. T., Sandhurst.—Native flowers, in wax.
 Teale, S., Emerald Hill.—Articles of ladies' dress in lace.
 Thom, A., Carlton.—Hosiery.
 Thompson, M. A., Kew.—Cone frame.
 Thompson, T.—Xylo-caustic engraving or etching on burnt wood.
 Thomson, A., St. Kilda.—Loo-table, etched. Paintings on silk. Fancy articles made of seeds, &c.
 Thunder, A. C. H., St. Kilda.—Paintings on velvet; lace collar and cuffs.
 Tinney, C., Melbourne.—Silk quilt, 10,555 pieces.
 Tompsitt, Mrs., Toorak.—Coloured tatting.
 Tullett, H., St. Kilda.—Two crayon drawings.
 Ugges, E., Carlton.—Needlework for suite of furniture.
 Van den Houten, Mrs., Windsor.—Patchwork quilt, made from remnants of dresses of Queen Adelaide.
 Vance, Rev. Canon, Kew, Melbourne.—Martin Luther's tankard.
 Vines, R., Kew.—Fancy picture-frames, canterbury and brackets.
 Wade, Miss, St. Kilda.—Tea cosie.
 Wagg, A., Colac.—Doll-house furniture made from Victorian wild-fowl bones.
 Wakefield, Mrs. E. M. J., Queenscliff.—Shell-basket of seaweed.
 Wallis, E., Hotham.—Wool-work picture.
 Wardell, J., Richmond.—Chinese needlework, taken by exhibitor from the Chinese Emperor's palace.
 Warner, I., Coburg.—Wax flowers.
 Watkins, Mrs. F., Stawell.—Needlework picture.
 Watson, K., Melbourne.—Wool-work picture.
 Watts, F. C., Richmond.—Wax and paper flowers.
 Way, Mrs. R. H., Maldon.—Flowers in wool. Beaded embroidery on silk, &c.
 Wearne, M. J., Maldon.—Leather-work frame.

Whittle, C. A., Richmond.—Wool-work.
 Whybrow, Miss, Melbourne.—Undergarment for infants.
 Whyte, J. A., Sandhurst.—Point-lace apron, handkerchief, and sleeves.
 Williams, Miss E. A., Mitchell's Reef.—Wool flowers; leatherwork.
 Wilson, M., South Costerfield.—Plain needlework, lace, and wool socks.

Windsor, Miss K.—Wild Tasmanian flowers embroidered on cloth.
 Wing, M., Richmond.—Wool flowers.
 Withell, Mrs. M., Ballarat.—Cuttlefish and seaweed flowers.
 Wright, E., Narree Warren.—Vase of artificial flowers.

WESTERN AUSTRALIAN EXHIBITS.

Class 6.—Education of Children, Primary Instruction, Instruction of Adults.

Rowe, G. B., Perth.—Map of that portion of the colony between the Murchison River and the south coast. Exhibitor 15 years old.

Class 9.—Printing, Books.

Government of Western Australia, The.—Forest Resources of Western Australia, by Baron F. von Mueller, K.C.M.G., M.D., Ph.D., F.R.S.

Class 16.—Maps, and Geographical and Cosmographical Apparatus.

Survey Department, Perth.—

Coloured photo-litho. plan of portion of Western Australia, from 30° 35' to 34° 45' S. lat., and 115° to 117° 30' E. long.

Map of the colony on a scale of 25 miles to the inch, drawn for photo-lithography.

Drawn and coloured plan showing Kimberley district, the route followed by Mr. A. Forrest in 1879.

Class 17.—Cheap and Fancy Furniture.

Convict Department.—Ladies' work-table. Satin manufactured from the silk of silkworms reared in the colony. Cabinet (containing geological specimens) made from indigenous woods of the colony.

Class 29.—Leather-work, Fancy Articles, and Basket-work.

Helmick, Mrs., Perth.—Three frames, decorated with seed-pods.

Wilkinson, Captain G. F., Perth.—Carved cover, inlaid with fourteen varieties of colonial wood; suitable for album or blotting paper. Covers, carved in ivory; suitable for card-case. Ivory powder, puff-box, and frames.

Class 34.—Silk and Silk Fabrics.

Government of Western Australia, The.—Raw silk, floss, yarn, and satin.

Burteaux, L. A., Perth.—Raw silk, produce of silkworms reared in Perth.

Class 36.—Lace, Net, Embroidery, and Trimmings.

Wrenfordsley, Miss, Perth.—Lace (French).

Class 39.—Jewellery and Precious Stones.

Brockman, Mrs., Vasse.—Pair of earrings pendant, set with shells.

Class 40.—Portable Weapons, and Hunting and Shooting Equipments.

Police Department.—Weapons used in native warfare and hunting. Articles for domestic use.

Class 43.—Products of the Cultivation of Forests, and of the Trades appertaining thereto.

Barker & Gull, Guildford.—Sandalwood, exhibited as a curiosity, the branches having re-united.

Bird, F., Canning.—Black butt, she-oak, and jarrah, seasoned.

Bunbury Timber Co., Bunbury.—Railway sleepers, jarrah log exposed to the sea 35 years.

Clinch, J., Berkshire Valley.—Sandalwood bell yokes.

Convict Department.—Specimens of the principal timbers; turnery.

Davies, M. C., Bunbury.—Jarrah and karrie timber, for ships, jetties, and harbour works; karri timber, exposed 34 years in salt water; bankshee, white cedar, paper bark; natural twisted walking-sticks.

Government of Western Australia, The.—Zamia wool, used for upholstering purposes.

Jarrahdale Timber Co., Jarrahdale.—Jarrah timber, piles, sawn timber for cabinetmakers, bridge work, and railway sleepers.

Knight, W. G., Albany.—Sandalwood.

Lambe, J., Bunbury.—Red-gum, used for tanning.

Martion, W. E., Fremantle.—Manna.

M'Kail, J., & Co., Albany.—Round jarrah pile, cut 42 years; used as jetty pile in Princess Royal Harbour, King George's Sound.

Monger, J. T., York.—Morrellwood, suitable for wheelwrights' work, waggon-building, &c.

Monger, J. H., Perth.—Sandalwood.

Muir, D. R., & Sons, Albany.—Felloe of cart-wheel, in use over 30 years; and two spokes for wheels, of yatewood.

Powell, E. B., Albany.—She-oak, for furniture.

Public Works Department, Perth.—Jarrah and other timber in the rough; jarrah pile, after 43 years' exposure in the sea, at Swan River; log of jamwood (*Acacia acuminata*). This wood takes a high polish, and is suitable for cabinet-work.

Ranford, B. B., Fremantle.—Black wattle bark from Canning district, and red-gum for tanning; manna bark.

Sherratt, T., Albany.—Log of karri (*Eucalyptus diversicolor*), sawn into three pieces; from a tree cut down 40 years, and buried in ground since 1846.

Western Australian Timber Co., Lockville.—Plank of jarrah and tuart (*Eucalyptus*).

Whitfield, G., Toodyay.—Black-boy resin.

Class 44.—Products of Hunting, Shooting, Fishing, and Spontaneous Products.

Conrad, G., Perth.—Opossum-skin rug; ladies' furs, pelican and swan's-down; native dog's skin, tanned.

Courderot, A. H., Rottnest.—Shells; coralline.

Harper, C., Guildford.—Pearl shells, from the earliest stage to the matured state of the pearl oyster.

Knight, W. G., Albany.—Whale bone and oil, from whale fisheries.

Lambe, J., Bunbury.—Skins prepared and tanned with red-gum bark.

Leidicke, Captain, Fremantle.—Mother-of-pearl shells, with curious growth of coral attached.

Moore, W. D., & Co., Fremantle.—Pearl shells from the north-west coast fisheries.

Picton, Miss B., Bunbury.—Seaweeds.

Ranford, B. B., Fremantle.—Skins.

Thomas, W., Shark's Bay.—Dugong head and bones.

Class 45.—Agricultural Products, not used for Food.

Burteaux, L. A., Perth.—Cocoons, the produce of silkworms reared in Perth district.

De Burgh, Mrs. C., Guildford.—Cocoons.

Government of Western Australia, The.—Cocoons, the produce of silkworms reared in Perth district.

Whitfield, G., Toodyay.—Plants producing fibre.

Class 46.—Chemical and Pharmaceutical Products.

Crowther & Mitchell, Northampton.—Salt in its natural state as gathered at Port Gregory lagoon.

Native Penal Establishment, Rottnest.—Salt, evaporated at 220° Fahr., from the salt lakes, Rottnest.

Class 60.—Carriages and Wheelwrights' Work.

Summers, J., Perth.—Materials used by wheelwrights and in the construction of carriages.

Class 62.—Railway Apparatus.

Public Works Department, Perth.—Plan and drawing of the railway bridge over Swan River, constructed of jarrah timber.

Class 67.—Cereals, Farinaceous Products, and Products derived from them.

Barker & Gull, Guildford.—Wheat (York district).

Clinch, J., Berkshire Valley.—Bag barley, grown in district of Berkshire Valley; a cross between cross and skinless, and almost beardless.

Connor, D., Newcastle.—Flour, fine silk-dressed, from grain grown in district of Newcastle.

Dempster, C. E., Toodyay.—Flour, fine silk-dressed, from grain grown in district of Toodyay.

Edwards, T., Beverley.—Wheat, grown in the district of Beverley, W.A.

McGrath, T., Beverley.—Wheat, grown in district of Beverley (40 lb. of seed yielded 26 bushels per acre, on dark loamy soil).

Monger, J. T., York.—Bag wheat, grown in the district of York, weighing 66 lb. to the bushel.

Monger, J. T., York.—Flour, fine silk-dressed, from grain grown in district of York.

Moore, S., Dongarra.—Wheat (Dongarra district).

Moore, S., Dongarra.—Barley (Dongarra district).

Parker, S. S., York.—Flour, fine silk-dressed, from grain grown in district of York.

Pearse, F., Dongarra.—Wheat and barley, grown in district of Dongarra.

Class 70.—Meat and Fish.

Mandurah Fish Preserving Co., The.—Preserved fish.

Thomas, W., Shark's Bay.—Salted dugong meat.

Class 71.—Vegetables and Fruit.

De Burgh, Mrs. C., Guildford.—Almonds, grown in Swan district.

Ferguson, C. W., Houghton.—Muscatel raisins, grown in Middle Swan district.

Class 72.—Condiments and Stimulants, Sugar and Confectionery.

Allnutt, J., Bunbury.—Preserved fruits.

Class 73.—Fermented Drinks, Wine, and Beer.

De Burgh, Mrs. Clara, Guildford.—Red Fontainbleau.

Easton, W., Fremantle.—White Muscat. Sauterne. Light white.

Faucett, Captain, Pinjarrah.—Don Pedro.

Ferguson, C. W., Swan.—Verdeilho.

Ferguson & Mumme, Perth.—Ale and porter, in bulk and bottle, made from English malt, glucose, and Tasmanian hops.

Gallop, R., York.—Red Burgundy (12 bottles), 1879.

Gugeri, P. A., Perth.—Dry Muscat. Red Fontainbleau.

Harwood, D. W., & Co., Perth.—Ale, in bulk and bottle, made from colonial malt, Tasmanian hops, and Mauritius sugar.

Weylen, A. D., M.D., Perth.—Red Fontainbleau. Red Hermitage, 1879.

Class 76.—Flowers and Ornamental Plants.

Cooper, Mrs., Albany.—Pressed wild flowers.

Picton, Miss B., Bunbury.—Pressed wild flowers.

Class 78.—Fruit and Fruit Trees

Whitfield, G., Toodyay.—Native peach nuts.

Class 82.—Mining and Metallurgy.

Crowther & Mitchell, Northampton.—Galena ore from various mines, and taken from different depths; carbonate ore; copper ore and specimens; crystallised carbonates; plumbago; blende or zinc ore; bisulphuret of iron.

Davis, J. S., Tibbradden.—Fossil rock, pipe-clay, and fire-clay, from Tibbradden. Nodule of native iron.

Government of Western Australia, The.—Fossil rock, from quarry near Fremantle. Geological collection of the principal minerals, ores, &c., of Western Australia. Two pieces polished steatite, one piece of stone of description used in erection of Fremantle Lighthouse.

Mason, C. T., Perth.—Sand suitable for glass-making.

M'Lean Bros. & Rigg, Melbourne.—Lead, manufactured from ores in Northampton district.

Montague Bros. Northampton.—Copper ore, from Wheal Alpha mine, five fathoms below surface.

AMERICAN EXHIBITS.

Class 6.—Education of Children, Primary Instruction, Instruction of Adults.

Bane, T., & Co., Chicago.—School furniture.
 Barnard, H., Hartford.—Educational books.
 Bicknell, F. W., Boston.—Journal of Education.
 Cowperthwaite & Co., Philadelphia.—Educational charts.
 Juvet & Co., Canajoharie.—Celestial and relative globes.
 Mills, F. B., San Francisco.—Caligraphy.
 Palm & Fechteler, New York.—Ornaments for transferring to silk, &c.
 Perkins' Institution & Massachusetts School for the Blind, South Boston.—Embossed books.
 Sterling School Furniture Co., The, Sterling.—School furniture.
 Victor Noiseless Slate Co., Chicago.—Noiseless slates.
 Ward, H. A., Rochester.—Natural history collection.
 Warren, Moses & Co., Chicago.—Educational publications.

Class 9.—Printing, Books.

Appleton, D., & Co., New York.—Publications.
 Bancroft, A. L., & Co., San Francisco.—Samples of lithography and coloured label printing.
 Barrie, G., Philadelphia.—Illustrated books.
 Bruce's, G., Son & Co.—Printing type.
 Forbes Lithographic Manufacturing Co., Boston.—Albertype engravings and coloured label work.
 Houghton, Mifflin & Co., Boston.—Poetical works of Henry Wadsworth Longfellow.
 Kelly & Bartholomew, New York City.—American model printer.
 Lowell, J. A., & Co., Boston.—Printed cards.
 Lockwood, H., New York.—Printing, books.
 Mackellar, Smiths & Jordan, Philadelphia.—Printing type.
 M'Laughlin Bros., New York.—Books.
 Merriam, G. & C., Springfield.—Webster's Dictionary.
 Page, W. H., Norwich.—Wood type.
 Prang, L., & Co., Boston.—Chromo-lithographs.
 Surgeon-General of the United States.—“Medical and Surgical History of the late War.”

Class 10.—Stationery, Bookbinding, Painting and Drawing Materials.

Adams, P. B., Connecticut.—Printing paper.
 Aiken, Lambert & Co., New York.—Gold pens.
 Albion Paper Co., Holyoke.—Paper.
 Bird, F. W., Hollingsworth & Co., East Walpole.—Paper.
 Carter, Dinsmore & Co., Boston.—Inks and mucilage.
 Case Bros., South Manchester.—Press paper.
 Crane Bros., Westfield.—Paper.
 Davey, W. O., & Son, Jersey City.—Paper.
 Davis, W. A., Boston.—Black and coloured writing inks; mucilage.
 Fairbanks & Co., New York City.—Post-office balances.
 Fall Mountain Paper Co., Bellows Falls.—Paper.
 Holyoke Paper Co., Holyoke.—Paper.
 Johnson, C. E., Philadelphia.—Printing inks.
 Lockwood, H., New York.—Stationery.
 Mackinnon Pen Co., New York City.—Pens.
 Newton Paper Co., Holyoke.—Paper.
 Randolph & English, Richmond.—Paper boxes.
 Scott Paper Co. (Limited), Philadelphia.—Floor covering and wrapping-paper.
 Shriver, T., & Co., New York City.—Copying press.
 Stafford, S. S., New York.—Inks and mucilage.
 Wade, H. D., & Co., New York City.—Printing and lithographic inks.
 Woolworth & Graham, New York City.—Paper.

Class 11.—General Application of the Arts of Drawing and Modelling.

Russell & Erwin Manufacturing Co.—Artistic fittings in statuary bronze, nickel, gold, enamel, for door, window, fireplace decorations.

Class 12.—Photographic Proofs and Apparatus.

Bradley & Rulofson, San Francisco, California.—Photographic and crayon portraits.
 Tuttle & Co., San Francisco.—Photographs.

Class 13.—Musical Instruments.

Estey, J., & Co., Brattleboro.—Organs.
 Peloubet & Co., New York.—Cabinet reed organ.
 Smith American Organ Co., Boston.—Organs.
 Taylor & Farley Organ Co., Worcester.—Organs.

Class 14.—Medicine, Hygiene, and Public Relief.

Justi, H. D., Philadelphia.—Artificial teeth.
 Novelty Plaster Co., Lowell.—Plasters.
 Sander, Enno, Ph.D., St. Louis.—Veterinary surgeons', farriers', and stock-owners' medicine chests.
 White, S. S., Estate of, Philadelphia.—Dental manufactures.

Class 15.—Mathematical and Philosophical Instruments.

Fairbanks & Co.—Scales for scientific purposes.
 Harris & Co., Boston.—Weather vanes.

Class 17.—Cheap and Fancy Furniture.

Gardner & Co., New York City.—Perforated veneer seats.
 Hartshorn, S., New York City.—Shade rollers.
 Heywood Bros. & Co., Gardner.—Chairs.
 Hinckley, E., San Francisco.—Spring beds.
 Huston Ship Berth Co., Boston and New York.—Self-levelling berth.
 Moore Combination Desk Co., Indianapolis.—Combination desk.
 New Haven Folding Chair Co., New Haven.—Folding chairs.
 Park, G. H. & J. F., Taunton.—Field's show-case.
 Peloubet & Co., New York City.—Portable stools for organs and pianos.
 Vail, E. W., Worcester.—Folding and invalid chairs.
 Wakefield Rattan Co., Boston.—Railway-car seat chairs, of rattan.
 Wooton Desk Co., Indianapolis.—Combination desk.
 Woven Wire Mattress Co., Hartford.—Wire mattresses.

Class 19.—Crystal, Glass, and Stained Glass.

Hobbs, Brockunier & Co., Wheeling.—Glassware.

Class 20.—Pottery.

Pullinger, F. A., Philadelphia.—Ceramics and pottery.

Class 21.—Carpets, Tapestry, and other Stuffs for Furniture.

Scott Brothers, Philadelphia.—Floorcloths, &c.
 Spurr, C. W., Boston.—Wood veneers.

Class 23.—Cutlery.

Northfield Knife Co., Northfield.—Pocket cutlery.

Class 24.—Goldsmiths' and Silversmiths' Work.

Manning, Bowman & Co., West Meriden.—Nickel, silver-plated, and granite ware.
 Middletown Plate Co., Middletown.—Silver-plated ware.
 Reed & Barton, Taunton.—Silver-plated ware.
 Simpson, Hall, Miller & Co., Wallingford.—Silver-plated ware.

Class 25.—Bronzes and various Art Castings and Repousse Work.

Magee Furnace Co., Chelsea.—Fire-stove castings.
 Miller, E., & Co., Meriden.—Bronzed ornaments.
 Russell & Erwin Manufacturing Co.—Castings coated with other metals by galvanic action.

Class 26.—Clocks and Watches.

American Watch Co., Waltham.—Watches and watch movements.
 Ansonia Clock Co., Ansonia.—Clocks.
 Bradley & Hubbard Manufacturing Co., West Meriden.—Clocks, lamps, and chandeliers.
 Ithaca Calendar Clock Co., Ithaca.—Clocks.
 New Haven Clock Co., New Haven.—Clocks.
 Waterbury Watch Co., Waterbury.—Cheap watches.

Class 27.—Apparatus and Processes for Heating and Lighting.

Adams & Westlake Coal-Oil Stove Co., Chicago.—Oil stoves.
 Dighton Furnace Co., North Dighton.—Stoves and ranges.
 Ellis, J., Boston.—Gas-burners and regulators.
 Empire Portable Forge Co., Cohoes.—Fan-blowing forges.
 Miller, E., & Co., Meriden.—Lamps and lanterns.
 Rathbone, Sard & Co., Albany.—Stoves.

Class 28.—Perfumery.

Barclay & Co., New York.—Toilet articles.
 Burnett, J., & Co., Boston.—Cologne, &c.
 Eastman & Brother, Philadelphia.—Toilet soap and perfumery.
 Fell & Co., Philadelphia.—Toilet soaps.
 Fox, H. S., & Co., Philadelphia.—Oriental balm, &c.
 Pirz, A., New York City.—Chemicals.
 Young, Ladd & Coffin, New York.—Perfumery.

Class 29.—Leather-work, Fancy Articles, and Basket-work.

American Novelty Co., New York.—American novelties.
 Fisher, J. S., Philadelphia.—Razor-strops.
 Helfer, A., Philadelphia.—Fancy articles.
 India-rubber Comb Co., New York.—Combs, &c.
 Rumpp, C. F., Philadelphia.—Leather goods.
 Santifaller, J. B.—Artistic wood-carvings.
 Spence, A. S., & Co., San Francisco.—American novelties.

Class 30.—Cotton Thread and Fabrics.

Holbrook, E. W., & Co.—One case wicking.
 Wamsutta Mills, New Bedford.—Cotton goods.
 Whitton, M. F., & Co., Boston.—Cotton duck and cordage.

Class 31.—Thread and Fabrics of Flax, Hemp, &c.

Wellington Bros. & Co., Boston.—Packing and cordage.
 Whitton, M. F., & Co., Boston.—Manila cordage, &c.

Class 33.—Woollen Yarn and Fabrics.

Vermont Merino Sheep Breeders' Association, The, Middleburg.—Vermont wool.

Class 34.—Silk and Silk Fabrics.

Belding Bros., Rockville.—Silk and silk fabrics.
 Cheney Bros., South Manchester.—Silks.
 Nonotuck Silk Co., Florence.—Silks.

Class 36.—Lace, Net, Embroidery, and Trim-mings.

New Haven Ruffle Co., New Haven.—Ruffling.

Class 37.—Hosiery and Underclothing, and Accessories of Clothing.

Demorest, Mdme., New York.—Paper patterns.
 Waterbury Button Co., Waterbury.—Buttons.
 West Haven Buckle Co., West Haven.—Buckles.

Class 38.—Clothing for both Sexes.

Mayer, Strouse & Co., New Haven.—Corsets.

Class 39.—Jewellery and Precious Stones.

Laruelle, Victor & Co., Philadelphia.—Silver filagree work.
 Purdy, Huntington & Co. Limited, New York.—Jewellery.

Class 40.—Portable Weapons, and Hunting and Shooting Equipments.

Colt's Patent Firearms Manufacturing Co., Hartford.—Guns and revolvers.
 Gatling Gun Co., Hartford.—A 10-barrel 0.45 inch Gatling gun.
 Parker Bros., Meriden.—Sporting guns.
 Providence Tool Co., Providence.—Peabody-Martini rifles.
 Smith and Wesson, Springfield.—Revolvers, single and double action, provided with patent shell extractor.
 Winchester Repeating Arms Co., New Haven.—Firearms.

Class 41.—Travelling Apparatus and Camp Equipage.

Headley & Sons, New York.—Trunks and bags.
 Peddie, T. B., & Co., Newark.—Travelling trunks and bags.
 Winship, W. W., Boston.—Trunks, bags, &c.

Class 42.—Toys.

Dare, C. W. F., New York.—Tallyho velocipedes.
 Ellis, F. L., & Co., New York.—Toys.
 Milton, Bradley & Co., Springfield.—Massachusetts.—Industrial toys and amusements.
 Philadelphia Novelty Co., Philadelphia.—Novelties, &c.

Class 43.—Products of the Cultivation of Forests and of the Trades appertaining thereto.

Sinning, A., Yosemite.—Specimens of the woods of the Yosemite Valley.

Class 44.—Products of Hunting, Shooting, Fishing, and Spontaneous Products. Machines and Instruments connected therewith.

Davidson Rubber Co., Boston.—Rubber goods.
 Etna Rubber Co., Boston.—Rubber goods.
 Guttapercha & Rubber Manufacturing Co., New York.—Rubber belting, &c.
 Harris, A. M., & Co., New York.—Machinery oils.
 New Haven Fishhook Co., New Haven.—Fish-hooks.

Class 45.—Agricultural Products, not used for Food.

Allen & Ginter, Richmond.—Tobacco.
 Cameron, W., & Brother, Petersburg, and Cameron, A., & Co., Richmond.—Manufactured and leaf tobacco.
 Gail & Ax, Baltimore.—Manufactured tobacco.
 Kimball, W. S., & Co., Rochester.—Vanity Fair smoking tobacco and cigarettes.
 Williams, T. C., & Co., Richmond.—Manufactured tobacco.

Class 46.—Chemical and Pharmaceutical Products.

Barclay & Co.—Medical specialties.
 Brown, B. F., & Co., Boston.—Blackings and dressings for leather.
 Brown, F. K., Philadelphia.—Extract of Jamaica ginger.
 Burnett, J., & Co., Boston, Massachusetts.—Flavouring extracts, florimel, essence of ginger.
 Candee, The L., & Co., New Haven.—Rubber boots and shoes.
 Carniola Chemical Works, Anthony Pirz, Long Island.—Cosmoroma (toilet vinegar). Various chemical products.
 Cheney & Myrick, Boston.—Botanic medicines.

Gill, T., New York City.—Soap (borax).
 Green, G. G., Woodbury.—Medicines.
 Hathaway, C. L., & Sons, Boston.—Leather dressings, blacking, and peerless gloss.
 Miller, F., & Sons, New York City.—Leather dressing, blackings, harness oils, &c.
 Pacific Rubber Paint Co., San Francisco.—Rubber paint, ready mixed.
 Pease, F. S., Buffalo.—Lubricating and illuminating oil.
 Philadelphia College of Pharmacy, Philadelphia.—Drugs.
 Schieffelin, W. H., & Co., New York.—Pharmaceutical preparations, fluid extracts, elixirs, syrups. Soluble pills and granules.
 Seabury & Johnson, New York.—Pharmaceutical plasters.
 Valentine & Co., New York City.—Varnish.
 Warner, W. R., & Co., Philadelphia.—Drugs and pills.

Class 48.—Leather and Skins.

Cummings, J., & Co., Boston.—Boot-upper leathers.
 Schultz, Southwick & Co., New York City.—Hemlock and Union tanned leather.

Class 49.—Agricultural Implements and Processes used in the Cultivation of Fields and Forests.

Ames, Oliver & Son Corporation, North-eastern.—Shovels, spades.
 Ayers & Co., San Francisco.—Iron horse-rake.
 Chadborn & Caldwell Manufacturing Co., Newburgh.—Lawn-mowers.
 "Charter Oak" Lawn-Mower Co., Hartford.—The "Charter Oak" lawn-mower.
 Deering, W., Chicago.—Reaper and string-binder.
 Dickey, A. P., Racine.—Fanning-mills.
 Dodds & Jackson, Dayton.—Lawn-rakes.
 Eagle Co., Riverton.—Scythes.
 Everett & Small, Boston.—Harrows, with jointed pulverising disc.
 Frick & Co., Waynesboro.—Eclipse farm engine.
 Higganum Manufacturing Corporation
 Higganum.—Agricultural implements.
 Holt, H., & Co., East Wilton.—Hay-knife.
 Johnston Harvester Co., Bridport.—Agricultural implements.
 Lawson & Brenizer, Philadelphia.—Forks: hay, manure, spading, sluice.
 M'Cormick Harvesting Machine Co., The, Chicago.—Harvester and self-binder; combined reaper and mower; iron mower.
 New York Plough Co., New York.—Lawn-mower and corn-sheller.
 Osborne, D. M., & Co., Auburn.—Reaper and binder; wire and string attachment available for either.
 Peabody, H. W., & Co., Boston.—Hay-rakes.
 Pennsylvania Lawn-Mower Co., Philadelphia.—Lawn-mowers.
 Pierpoint, C., & Co., Newhaven.—Fodder-cutter.
 Stephens and Woodin.—Threshing machinery, hay-presses, &c.
 Stoddart, J. W., Dayton.—"Tiger" horse hay-rake.
 Watt & Call, Richmond.—Ploughs.
 Williams Brothers, Ithaca.—Agricultural machinery and portable engine.
 Winsted Manufacturing Co., Winsted.—Scythes and hay-rakes.
 Wood, W. A., Hoosick Falls.—Self-binding harvester, sweep-rake, reaper, two horse mower.

Class 50.—Apparatus and Processes used in Agricultural Works, and in Works for the Preparation of Food.

Barnard & Lea's Manufacturing Co., Moline.—Wheat separators and smutters.
 Blatchley, Chas. G., Philadelphia.—Ice-cream freezers.
 Enterprise Manufacturing Co., Philadelphia.—General hardware.
 Wilton Manufacturing Co., Wilton.—Meat tenderers and anti-shaft rattlers.

Class 52.—Machines and Apparatus in general.

Ballard, S., & Co., New York City.—Leather belting.
 Blake, George F., Manufacturing Co., Boston.—Steam pump.
 Brooks, Ezra, Hartford.—"The Hartford automatic pump."
 Colt's Patent Firearms Manufacturing Co.—The Baxter portable steam-engine.
 Coon, W. L., Wakefield.—Model of steam-engine.
 Douglas, W. & B., Middletown.—Pumps.
 Fairbanks & Co., New York.—Weighing-machines.
 Gould Manufacturing Co., Seneca Falls.—Pumps.
 Howe Scale Co., The, Rutland.—Weighing-machines.
 Hoyt, J. B., & Co., New York City.—Leather belting.
 Kewanee Manufacturing Co., New York City.—Windmills.
 Lovegrove & Co., Philadelphia.—Two-horse power engine.
 Mason, V. W., & Co., Providence.—Friction-clutch pulley.
 National Drill & Compressor Co., New York City.—Air compressor and rock drill.
 Oscillating Pump Co., Philadelphia.—Force and bilge pumps.
 Page Belting Co., Concord.—Leather belting.
 Page Belting Co., Concord.—Manufacturers of superior standard short-lap leather belting and lace leather.
 Ramsey & Co., Seneca Falls.—Iron and brass hand and power pumps.
 Rowley & Hermance, Williamsport.—Band-saws, planer, &c.
 Star Rubber Co., Trenton.—Rubber hose and belting.
 Tuerk Bros. & Johnson, Chicago.—Hydraulic motor.
 Victor Sewing Machine Co., Middletown.—Micrometers, calipers, and chucks.

Class 53.—Machine Tools.

American Twist Drill Co., Meredith Ville.—Knife-grinder, emery-grinder.
 Battle Creek Machinery Co.—Marsh's cylinder-bed lathe, with circular and scroll saw and moulding attachment; patent mitreing-machine.
 Bliss & Williams, Brooklyn.—Howe's patent soldering-machine.
 Collins & Co., Hartford.—Hatchets, axes, and other edge tools.
 Douglas Axe Manufacturing Co., Boston.—Axes, hatchets.
 Fay, J. A., & Co., Cincinnati.—Automatic planing-knife grinding machine, universal planer and jointer.
 Frank Co., Buffalo.—Planer and matcher, pony surfacer.
 Horton & Son Co., The E., Windsor Locks.—Chucks for lathes.
 Ives, W. A., & Co., New Haven.—Augers, bits, &c.
 Morse Twist Drill & Machine Co., The, New Bedford.—Twist drills, taps, dies, &c.

Class 54.—Apparatus and Processes used in Spinning and Rope-making.

Silver Lake Co., Boston.—Braided cordage and steam packing.

Class 55.—Apparatus and Processes used in Weaving.

Gilbert, C., & Co., Worcester.—Loom, for weaving.
 Lamb Knitting Machine Manufacturing Co., Chicopee Falls.—Hand-knitting machines.

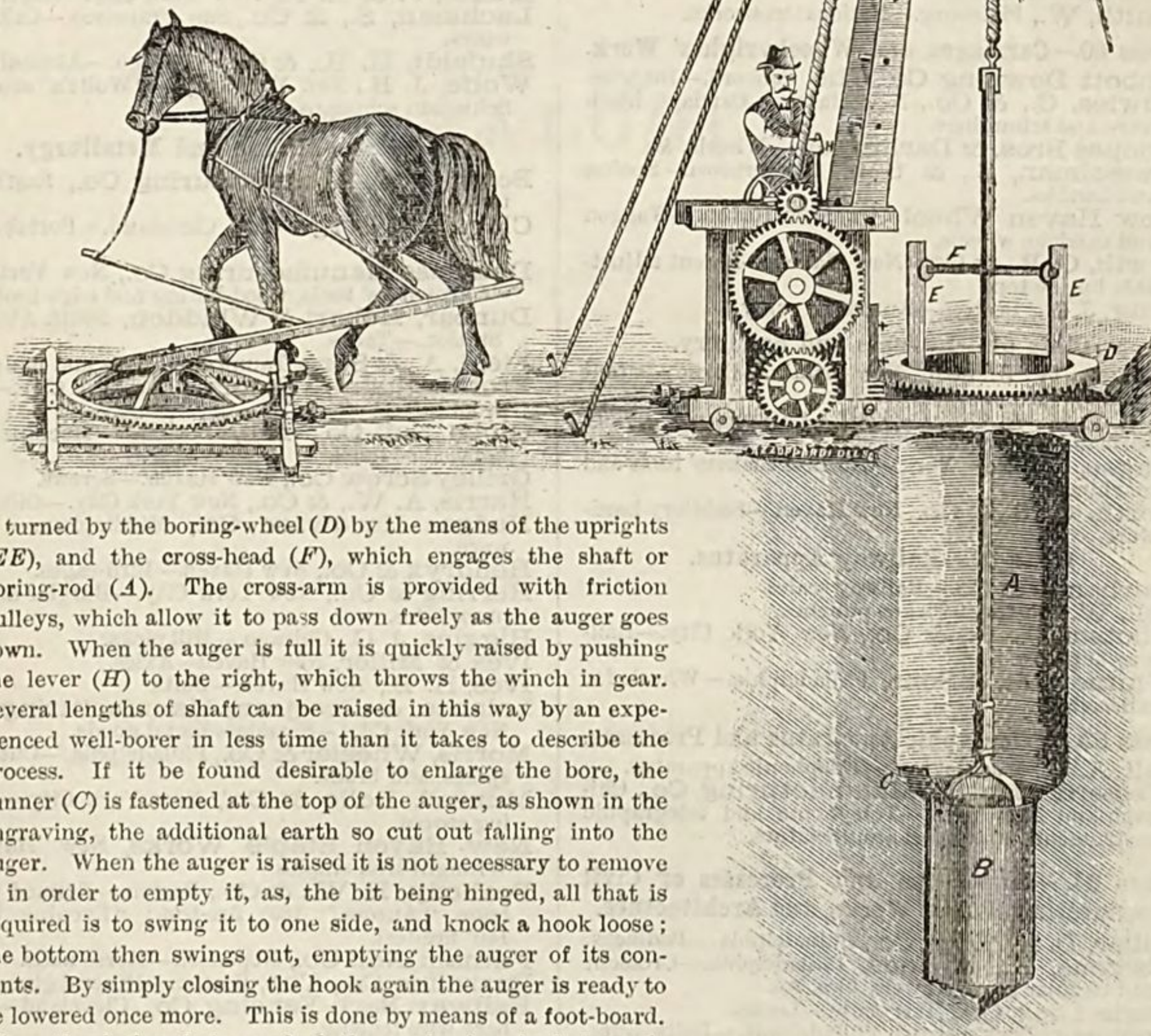
Class 56.—Apparatus and Processes for Sewing and for Making-up Clothing.

Davis Sewing-Machine Co., Watertown, New York.—Sewing-machines.
 Johnson, Clark & Co., New York City.—Sewing-machines.
 Supplee Needle Co., Philadelphia.—Needles for sewing-machines.
 Wheeler & Wilson Manufacturing Co., Bridgeport.—Sewing-machines.

Stephens & Woodin, San Francisco.—Windmills, well-boring and rock-drilling machine. Awarded First Order of Merit (Silver Medal).

This is a Californian firm, but Mr. Stephens has taken up his residence in Melbourne in order to establish an Australian business.

These machines are in extensive and successful operation in most of the American states. One valuable feature in these machines is that they will either bore in earth or drill in rock, and may be worked by either horse or steam power, the construction being ingeniously adapted to either motive-power. By either means the drills and augers can be raised or lowered. No alteration is required in the gear, whichever power may be used. This is an advantage quite unique in machines of this description. The method of working is very simple. On referring to the illustration, it will be noticed that the auger (B)



is turned by the boring-wheel (D) by the means of the uprights (EE), and the cross-head (F), which engages the shaft or boring-rod (A). The cross-arm is provided with friction pulleys, which allow it to pass down freely as the auger goes down. When the auger is full it is quickly raised by pushing the lever (H) to the right, which throws the winch in gear. Several lengths of shaft can be raised in this way by an experienced well-borer in less time than it takes to describe the process. If it be found desirable to enlarge the bore, the runner (C) is fastened at the top of the auger, as shown in the engraving, the additional earth so cut out falling into the auger. When the auger is raised it is not necessary to remove it in order to empty it, as, the bit being hinged, all that is required is to swing it to one side, and knock a hook loose; the bottom then swings out, emptying the auger of its contents. By simply closing the hook again the auger is ready to be lowered once more. This is done by means of a foot-board. When the bed-rock is reached the work of a single hour is

sufficient to convert the machine into a perfect rock-drill. In the case—very common in this country—of drift being encountered in sinking, by a simple but ingenious contrivance a forcing apparatus is connected with the auger, so that the operator is enabled to force the pipe down at the same time as the boring progresses—an auger being used inside the pipe. There is also an appliance for use in the case of alternate strata of hard clay and drift being met with. By means of it the hole can readily be reamed below the pipe large enough

to allow it to pass down freely. In this way pipes may be lowered to a very considerable depth, say from 300 feet to 400 feet. It will be seen, from the foregoing description, that this machine possesses peculiar advantages for use in this country; especially will it be valuable to those to whom sinking deep shafts for mining or boring for water are necessary undertakings.

All further information respecting this machine can be obtained at the office of the manufacturers, 69 Elizabeth-street, Melbourne.

Class 57.—Apparatus and Processes used in the Manufacture of Furniture and Objects for Dwellings.

Trump Brothers' Manufacturing Co., Wilmington.—Scroll saws.

Class 58.—Apparatus and Processes used in Paper-making, Dyeing, and Printing.

Fairbanks & Co., New York.—Improved type-writers.

Gally, M., New York City.—Universal printing press.

Golding & Co., Boston.—Printing presses.

Perkins' Institution & Massachusetts School for Blind.—Type, for use of the blind.

Remington, E., & Sons, Illion.—American type-writer.

Class 59.—Machines, Instruments, and Processes used in various Works.

Boston Blower Co., The, Boston.—One forge-blower.

Osborne, C. S., & Co., Newark.—Tools for saddlers and harness-makers.

Smith, W., Pittsburg.—National gasworks.

Class 60.—Carriages and Wheelwrights' Work.

Abbott Downing Co., The, Concord.—Buggies.

Cowles, C., & Co., New Haven.—Carriage hardware and trimmings.

Hoopes Bros. & Darlington.—Wheels, &c.

Musselman, S., & Son, Quakertown.—Spokes and handles.

New Haven Wheel Co., New Haven.—Waggon and carriage wheels.

North, O. B., & Co., New Haven.—Patent adjustable buggy top.

Prag, J. F., Boston.—American sulky.

Class 61.—Harness and Saddlery.

Carnes, W. J., sen., New Britain.—Carne's patent seamless harness-buckles.

Hill, J. R., & Co., Concord.—Carriage and buggy harness—"Concord harness."

Magee, N., New York.—Harness-makers' tools and machinery.

North, O. B., & Co., New Haven.—Saddlery hardware.

Class 62.—Railway Apparatus.

Fairbanks & Co.—Railway scales.

Hill, W., Boston.—Ticket punches.

Tillotson, L. G., & Co., New York City.—Railway supplies.

Whitney, A., & Sons, Philadelphia.—Wheels for railroads.

Class 63.—Telegraphic Apparatus and Processes.

Bell, A. G., Washington.—Telephonic apparatus.

Western Electric Manufacturing Co., Chicago and New York.—Telephonic and telegraphic instruments, and hotel annunciators.

Class 64.—Apparatus and Processes of Civil Engineering, Public Works, and Architecture.

Miller, D. K., Lock Co., Philadelphia.—Padlocks.

Disstons, H., & Sons, Philadelphia.—Crosscut and circular saws, trowels, files, &c.

Eagle Lock Co., Terryville.—Locks.

Hoopes & Townsend, Philadelphia.—Bolts, nuts, and rivets.

Nashua Till Co., The, Nashua.—White's patent improved alarum money drawer.

Peck Bros. & Co., New Haven.—Plumbers' goods.

Russell & Erwin Manufacturing Co., New Britain.—Locks and carpenters' tools.

Stanley Rule & Level Co., New Britain.—Carpenters' tools, &c.

Tucker & Dorsey, Indianapolis.—Money drawer.

Yale Lock Manufacturing Co., Stamford.—Locks, &c.

Class 65.—Navigation and Life-saving.

De Grau, Aymar & Co., New York.—Oars, hand-spikes, &c.

Page, E. W., & Son, New York City.—Oars, sweeps, &c.

Class 69.—Fatty Substances used as Food. Milk and Eggs.

Cooper, E., Santa Barbara.—Olive oil.

Popham, W. H., New York.—Cheese and lard, in tins.

Simpson, M'Intire & Co., Boston.—Butter, in sealed cans.

Class 70.—Meat and Fish.

Oregon Packing Co., Portland.—Salmon.

Class 71.—Vegetables and Fruit.

San Jose Fruit Packing Co., San José.—Canned goods.

Class 73.—Fermented Drinks.

Kuntz, J. & L. F., New York City.—Lager beer.

Lachman, S., & Co., San Francisco.—California wines.

Shufeldt, H. H., & Co., Chicago.—Alcohol, &c.

Wolfe, J. B., New York City.—"Wolfe's" aromatic Schiedam schnapps.

Class 82.—Mining and Metallurgy.

Bevin Bros. Manufacturing Co., Easthampton.—Bells.

Cleveland Forge Co., Cleveland.—Portable fan forge.

Douglass Manufacturing Co., New York City.—Carpenters' tools, wood-boring and edge tools.

Dunbar, Hobart & Whiddon, South Abington Station.—Tacks.

Field, A., & Sons, Taunton.—Tacks and nails.

Frothingham & Emory, New York City.—Fire-proof safes.

Globe Nail Co., The, Boston.—Machine-made horse-shoe nails.

Grilley Screw Co., New Haven.—Screws.

Harris, A. W., & Co., New York City.—Oils.

Hedges Hardware Co., Middletown.—Hardware.

Hendryx & Co., New Haven.—Bird-cages.

Herring & Co., New York City.—Burglar and fire proof safes.

Higgins, J. C., Chicago.—Mill picks.

Ives & Miller, New Haven.—Axles.

Ives, H. B., New Haven.—Bolts.

Lalace & Grosjean Manufacturing Co., New York City.—Seamless metal goods.

Morris, Wheeler & Co., Philadelphia.—Cut nails, spikes, and brads.

Munsell, Rollo & Co., New York City.—Cooking stoves.

New Haven Staple Works, New Haven.—Wrought-iron staples.

Peabody, H. W., & Co., Boston.—Refined petroleum, "Aurora," 130° fire-test; "Evening Star," 150° fire-test.

Putnam Nail Co., Neponset.—Horse nails.

Puzzoline Co., The, Boston.—Mineral glue, &c.

Railway Barb Fencing Co., Cleveland.—Steel barb wire fencing.

Russell & Erwin Manufacturing Co.—Mechanics' tools and hardware.

United States Stamping Co., Portland.—Sheet metal stamped goods.

Wallace & Sons, Ansonia.—Brass goods.

Ward, H. A., Rochester.—Minerals, rocks, casts of celebrated fossils, mounted skeletons.

Washburn & Moen Manufacturing Co., Worcester.—Barbed fencing.

Yale Lock Manufacturing Co.—Hardware, of ornamental real bronze.

CATALOGUE

OF THE

W O O L S H O W

HELD AT THE

MELBOURNE INTERNATIONAL
EXHIBITION.

WOOL CATALOGUE.

DIVISION 1. B.—MERINO WOOL.—UNWASHED.—SECTION I.

Name of Exhibitor and Station.	Colony.	How the Sheep were Bred.	No. of Days' Growth.	Age of Hoggets or Sheep.	No. of Fleeces.	Net Weight in lbs.	Judges' Valuation per lb.
Wilson, Hon. Sir S., Mount Bute ..	Vict. ..	From ewes and rams from Ercildoune	359	1 to 5 years	96	312½	13½d.
Wilson, Hon. Sir S., Ercildoune ..	Vict. ..	From Ercildoune pure Merino flocks ..	350	4 to 6 tooth	89	306½	15
Peel River Land & Mineral Co. ..	N.S.W. ..	From Peel River Co.'s sheep ..	365	3 to 8 years	100	348½	12½
M'Donald, J. M. L., Wallabadah ..	N.S.W. ..	From Wallabadah stud flock ..	368	3 years to aged	95	366½	11
M'Donald, J. M. L., Wallabadah ..	N.S.W. ..	From station-bred rams and ewes	375	3, 4, & 5 years	100	424½	10
Keach, G. W., Chiswick, Ross ..	Tas. ..	From general flock ..	338	2 and 4 tooth	81	300½	16
Gollan, D., Mangataratu ..	N.Z. ..	From Currie and Carngham sires	368	2, 4, & 6 tooth	78	307½	15½
Anderson, J., Port Lincoln ..	S.A. ..	From Macarthur's Camden stock crossed with Steiger's	365	2-tooth	72	315½	9½
Bettington, J. B., Brindley Park ..	N.S.W. ..	Originally from imported Silesian rams and ewes	340 to 360	2 and 3 years	50	289	10½
Bowman, G. P., Grampian Hills ..	Vict. ..	From Saxon Merino rams, bred at Archerfield	350	2-tooth up.	100	279	9½
Bruce, G., Loombah ..	N.S.W. ..	Station-bred ..	363	2-tooth	81	315½	11
Buchanan, A., Lismore ..	Vict. ..	From pure Australian Merino stock ..	351	2 and 4 tooth	100	316½	17½
Clive, C. F., Collaroy ..	N.S.W. ..	From pure-bred Merinos ..	365	2, 3, and 4 yrs.	88	310	14
Currie, J. L., Larra ..	Vict. ..	From Australian Merino, by Camden rams	392	18 months	82	332½	16
Currie, J. L., Larra ..	Vict. ..	From Australian Merino, by Camden rams	383	Various	78	330½	16½
Dowling, V., Mudgee ..	N.S.W. ..	George IV. flock, bred at Lue	380	6 to 8 tooth	55	202½	10½
Gibson, J., Belle Vue ..	Tas. ..	Pure Merinos, entirely Tasmanian blood	365	2-tooth	90	316½	18½

SECTION IV.

Wilson, Hon. Sir S., Ercildoune ..	Vict. ..	From Ercildoune pure Merino flocks ..	308 to 350	10 to 11½ mths.	88	200½	18
Wilson, Hon. Sir S., Mount Bute ..	Vict. ..	From Ercildoune pure Merino flocks ..	350	11½ months	120	212½	17½
Bowman, Mrs. G. P., Grampian Hills ..	Vict. ..	Station-bred, originally from Saxon Merinos	350 to 370	1 year	132	327½	10
Clive, C. F., Collaroy ..	N.S.W. ..	From pure-bred Merinos	13 mths.	13 months	126	370½	11
Gibson, W. & Son, Scone ..	Tas. ..	From pure Merinos, originally imported 60 years ago	423	423 days	94	304½	17½
Macdonald, J. M. L., Wallabadah ..	N.S.W. ..	From Wallabadah station flock	13 mths.	13 months	88	330½	10
Macdonald, J. M. L., Wallabadah ..	N.S.W. ..	From Wallabadah station flock	13 mths.	13 months	76	306½	10
Peel River Land & Mineral Co. ..	N.S.W. ..	From Company's sheep	416	416 days	110	312½	11½

DIVISION 1. A.—MERINO WOOL.—WASHED.—SECTION I.

Currie, J. L., Larra ..	Vict. ..	Australian Merino, by Camden (Spanish) Merino	392	18 months	99	210	2 6
Cumming, J., Terinallum ..	Vict. ..	From station Merino sheep ..	365	4-tooth	99	251½	2 7
Carter, S., Glenisla ..	Vict. ..	Rambouillets, imported French Merinos	365	Full-mouthed	100	196	2 4
Armstrong, W., Hexham Park ..	Vict. ..	From Wooriwyrite rams and ewes	350	4-tooth	100	199½	2 10
Russell, Hon. P., Carngham ..	Vict. ..	From Carngham stud and general flocks	378	2 and 4 tooth	100	215½	3 2
Wilson, Hon. Sir S., Mount Bute ..	Vict. ..	From ewes and rams, from Ercildoune	359	1 to 5 years	99	212½	3 0
Wilson, Hon. Sir S., Ercildoune ..	Vict. ..	From Ercildoune pure Merino flocks ..	355	4 and 6 tooth	97	209	3 6
Simson, Hon. R., Langi Kal ..	Vict. ..	From Langi Kal bred Merino ewes	371	1½ years	100	203½	3 2
Shaw, T., Wooriwyrite ..	Vict. ..	From pure Camden rams and Learmonth's ewes	370	2-tooth	100	202½	3 0
Shaw, T., Wooriwyrite ..	Vict. ..	From pure Camden rams and Learmonth's ewes	370	2-tooth	100	206½	3 7
Russell, T., & Co., Barunah ..	Vict. ..	From sheep bred by exhibitors	368	1 yr. 5 mths.	95	226½	3 10
M'Intyre, P., Mawallok ..	Vict. ..	From Learmonth's pure Ercildoune Merinos	346	4 and 6 tooth	100	203½	3 3

Gibson, W., & Son, Scone	..	Tas. ..	Pure Merinos, bred by owners last 30 years	..	..	365	4-tooth	91	198½	2 9
Gibson, J., Belle Vue	..	Tas. ..	Pure Merino, entirely Tasmanian blood	..	..	350 to 365	2-tooth	100	204	3 0
Douglass, A., Caramut	..	Vict. ..	Tasmanian rams and station-bred ewes	..	..	365	1½ years	100	203½	2 9
Timms Brothers, Mount Hesse	..	Vict. ..	By exhibitors, chiefly from Ercildoune blood	..	..	360	2 and 4 tooth	100	208	2 7

SECTION IV.

Dangar Brothers, Gostwyck	..	N.S.W. ..	From Saxon Merinos, bred on Gostwyck Station	..	..	410	410 days	150	336	2 0
Simson, Hon. R., Langi Kal Kal	..	Vict. ..	From Langi Kal stud ewes	..	..	365	1 year	143	243	3 4
Wilson, Hon. Sir S., Mount Bute	..	Vict. ..	From ewes and rams of Ercildoune flocks	..	..	359	Mixed ages	134	208½	3 10
Wilson, Hon. Sir S., Ercildoune	..	Vict. ..	From Ercildoune pure Merino flocks	..	..	325	10 to 11½ mths.	145	204	4 2
Gibson, W., & Son, Scone	..	Tas. ..	Pure Tasmanian Merinos	..	..	420	420 days	120	198½	3 0
Shaw, T., Wooriwyrite	..	Vict. ..	From Camden rams and Learmonth ewes	..	..	360	360 days	145	212½	2 6

SECTION V.

Gibson, J., Belle Vue	..	Tas. ..	Pure Merino, entirely Tasmanian blood	..	..	150	4½ to 5 months	207	207	3 0
Timms Brothers, Mount Hesse	..	Vict. ..	From exhibitors' stud flocks	..	..	180	6 months	216½	216½	2 6
Simson, Hon. R., Langi Kal Kal	..	Vict. ..	From Langi Kal Merino ewes	..	..	185	185 days	218	218	3 5
Shaw, T., Wooriwyrite	..	Vict. ..	From Learmonth's ewes and Camden rams	..	..	180	180 days	262	262	2 7
Russell, Hon. P., Carngham	..	Vict. ..	From Carngham stud and general flocks	..	..	{ Mch., Apl., and May lambs }	6 months	226½	226½	4 0
M'Intyre, P., Mawallok	..	Vict. ..	From Learmonth's pure Ercildoune Merinos	..	..	—	May lambs	233	233	3 6
Greeves, E. G., Borriyallouk	..	Vict. ..	From Borriyallouk pure Merinos	..	..	6 months	6 months	213½	213½	3 2
Greeves, E. G., Mooramong	..	Vict. ..	From Camden stock	..	..	170	6 months	201½	201½	3 0
Wilson, Hon. Sir S., Ercildoune	..	Vict. ..	From the Ercildoune pure Merino flocks	..	..	155	5 months	204½	204½	3 10
Wilson, Hon. Sir S., Mount Bute	..	Vict. ..	From ewes and rams from Ercildoune flocks	..	..	184	—	209½	209½	3 9
Carter, S., Glenisla	..	Vict. ..	Rambouillets, imported from French Merinos	..	..	—	5 months	229½	229½	3 0
Cumming, J., Terinallum	..	Vict. ..	By owner, from station Merino sheep	..	..	—	5 and 6 mths.	209½	209½	2 6
Douglass, A., Caramut	..	Vict. ..	From Tasmanian rams and station-bred ewes	..	..	150	5 months	214½	214½	3 6

DIVISION 1. C.—LONG WOOL.—WASHED.—SECTION I.

Hood, W. W., Barton	..	Vict. ..	From pure Lincoln rams and nearly pure Lincoln ewes	..	..	360	Full-mouthed	71	258	17
Armstrong, W., Hexham Park	..	Vict. ..	From pure Lincoln rams and nearly pure Lincoln ewes	..	..	360	Various	51	209½	16
Armstrong, W., Hexham Park	..	Vict. ..	From pure Lincoln rams and nearly pure Lincoln ewes	..	..	360	Various	60	249½	15
Watt, W. H., Westmere, Wanganui	..	N.Z. ..	From Leicester rams and nearly pure ewes	..	..	360	2, 4, & 6 tooth	63	391½	10
Wilson, Hon. Sir S., Corangamite	..	Vict. ..	From pure Lincoln rams, station-bred	..	..	375	2 yrs. 2 mths.	69	244½	19

SECTION IV.

Watt, W. H., Westmere, Wanganui	..	N.Z. ..	From pure-bred Leicester rams and nearly pure ewes	..	..	425	14 months	75	459½	10½
Adams, J. D. & W. A., St. Enoch's	..	Vict. ..	From pure "Border Leicesters" (chiefly imported from Scotland)	..	..	420	420 days	100	309½	17

DIVISION 1. E.—SCOURED WOOL.—SECTION I.

Name of Exhibitor and Station.	Colony.	How Washed.	Distinguishing Letter or Brand.
Macpherson, P., & Co., Paika, Balranald	N.S.W. ..	Scoured with common brown soap	..
Young & Dalgety, Oamaru	N.Z. ..	Scoured with common bar soap	..
Douglass, A., Geelong	Vict. ..	Wool washed with hot water, soft soap, and ammonia	..
Kaufmann, L., Woodhouse, Dunkeld	Vict. ..	Stick-washed with soft soap	..
			Paika.
			O O over O over 749.
			Douglass.
			L.K. over Wannon.

DIVISION 1. A.—MERINO WOOL.—WASHED.—SECTION II.

Name of Exhibitor and Station.	Colony.	How the Sheep were Bred.	No. of Days' Growth.	Age of Sheep.	Actual net Weight in lbs.	Calculated Weight as at 365 days.	Calculated Average Fleece as at 365 days.	Judges' Valuation per lb., as at 365 days.	Total Value.
Russell, Hon. P., Carngham	Vict. ..	From the Carngham stud flock ..	375	2 to 3 years	120½	117 4½	4 14	s. d. 2 6	£ s. d. 14 13 2½
Timms Brothers, Mount Hesse	Vict. ..	From stud flocks of exhibitors ..	367	4-tooth	101½	101 3	4 3½	2 0	10 2 4½
Sanders, James & Co., Canowie	S.A. ..	Exclusively by themselves for 14 years	395	2 years	—	—	—	—	—
Russell, T., & Co., Barunah	Vict. ..	From sheep bred by exhibitors ..	380	2 yrs. 5 mths.	114½	109 11½	4 9	1 11	10 10 4
Wilson, Hon. Sir S., Ercildoune	Vict. ..	From Ercildoune pure Merino flocks ..	355	4 to 6 tooth	123½	126 11½	5 4½	2 8	16 17 11
Gibson, W., & Son, Scone	Tas. ..	From pure Merinos, imported 60 years	370	4-tooth	—	—	—	—	—
Currie, J. L., Larra	Vict. ..	Australian Merino, by Camden (Spanish) Merino ..	391	Various	122½	114 5½	4 12½	1 11	10 19 1½
Douglas, A., Caramut	Vict. ..	From Tasmanian rams and Caramut ewes	360	3 and 4 years	102½	103 14½	4 5½	1 11½	10 3 6
Gibson, J., Belle Vue	Tas. ..	From pure Tasmanian Merino, imported 40 years..	350 to 365	4-tooth	98½	100 11	4 3	1 11	9 13 0

SECTION III.

Name of Exhibitor and Station.	Colony.	How the Sheep were Bred.	No. of Days' Growth.	Age of Hoggets or Sheep.	Actual net Weight in lbs.	Calculated Weight as at 365 days.	Calculated Average Fleece as at 365 days.	Judges' Valuation per lb., as at 365 days.	Total Value.
Wilson, Hon. Sir S., Ercildoune	Vict. ..	From the Ercildoune pure Merino flocks	355	2-tooth	115½	119 0	4 15½	s. d. 2 8	£ s. d. 15 17 4
Timms Brothers, Mount Hesse	Vict. ..	From exhibitors' stud flocks ..	370	2-tooth	92½	91 4	3 12½	2 2	9 17 8½
Currie, J. L., Larra	Vict. ..	Australian rams, by Camden (Spanish) Merino	392	18 months	104½	97 8½	4 1	2 0	9 15 0
Douglas, A., Caramut	Vict. ..	From Tasmanian rams and station-bred ewes	360	1½ years	107	108 7½	4 8½	2 5	13 2 2
Gibson, J., Belle Vue	Tas. ..	Pure Merino, entirely Tasmanian blood ..	350 to 365	2-tooth	92½	94 9	3 15	2 7	12 4 3½
Gibson, W., & Son, Scone	Tas. ..	Pure Merino, bred in Tasmania for 60 years	368	15 months	121	120 0½	5 0	2 5	14 10 0
Greeves, E. G., Mooramong	Vict. ..	From Camden stock ..	368	18 months	95½	94 11½	3 15	2 2	10 5 2½
Greeves, E. G., Borriyalloak	Vict. ..	Pure Borriyalloak Merinos ..	380	2-tooth	100½	96 12½	4 0½	2 5	11 13 10
Russell, Hon. P., Carngham	Vict. ..	From the Carngham stud flocks ..	386	2-tooth	112½	106 6	4 6½	2 3	11 19 4
Russell, T., & Co., Barunah	Vict. ..	From stock bred by exhibitors ..	330	1 yr. 5 mths.	93½	89 12½	3 11½	2 2	9 14 7

DIVISION 1. B.—MERINO WOOL.—UNWASHED.—SECTION II.

Austin & Millear, Wanganella	N.S.W. ..	From station rams and ewes ..	358	2, 3, & 4 years	282	287 8	11 15½	10½	12 11 6½
Sanders, James & Co. ..	S.A. ..	Own breed ..	395	2 years	306	282 12	11 12½	10½	12 7 4½
Russell, T., & Co., Barunah	Vict. ..	From sheep bred by the exhibitors	370	2 yrs. & 5 mths.	160½	158 9½	6 9½	12	7 18 7½
Russell, Hon. P., Langi Willi	Vict. ..	From the Carngham stud flock ..	371	19 mths to 4 yrs	212	208 9	8 11	12½	10 17 3
Pitts, E. W., The Levels, Dry Creek.	S.A. ..	From stock imported by C. B. Fisher, Esq.	378	4, 6, & 8 tooth	307½	296 11	12 5½	11	13 11 11½
Peterson & Sargood, Jerilderie	N.S.W. ..	Station-bred ..	361 to 389	4-th to full mth	204	198 8½	8 4½	10½	8 13 8½
Parramore, T., Ross	N.S.W. ..	Pure Merinos ..	380	4-tooth	219	210 5½	8 12½	13	11 7 10½
MacVean, J., Moulamein	N.S.W. ..	(Not stated) ..	365	—	203	203 0	8 7½	9½	8 0 8½
Macdonald, J. M. L., Wallabadah	N.S.W. ..	From Wallabadah stud flock ..	368	3, 4, & 5 years	218½	216 15½	9 0½	10	9 0 9½
Macanish, J. D., Canning Downs	Qland. ..	From Australian Merinos, bred by owner	367	2, 3, & 4 years	280½	279 3½	11 10	9½	11 1 0½
Headlam, C., Macquarie River	Tas. ..	From selected stud ewes and rams	370	4 and 6 tooth	171	168 11	7 0½	11½	8 1 8
Greeves, E. G., Borriyalloak	Vict. ..	From Borriyalloak pure Merinos ..	365	6-tooth	150½	150 4	6 4	11½	7 3 11½
Greeves, E. G., Borriyalloak	Vict. ..	From Borriyalloak pure Merinos ..	380	4-tooth	169	162 5	6 12½	12½	8 9 1
Wilson, Hon. Sir S., Ercildoune	Vict. ..	From Ercildoune pure Merino flocks ..	350 to 364	4-tooth	197	201 6½	8 6½	13½	11 6 6½

DIVISION 1. D.—LONG WOOL.—UNWASHED.—SECTION II.

Rutledge Brothers, Farnham Park	Vict. ..	Bred by exhibitors from imported Kirkham stock ..	365	2 and 3 years	358½	358	8	14 15	8	11 19 0
Wilson, W., Elsiea, Waverley Patea Co.	N.Z. ..	From cross-bred ewes, by Lincoln rams ..	Shorn Jan.	2 and 4 tooth	268½	268	12	11 3	7½	8 7 11½
Wallace, J., Hillside, Papatoito ..	N.Z. ..	New Zealand Lincolns ..	365	Full-mouth	320	320	0	13 5½	7½	10 0 0
Urquhart, A. & R., Yangery Park ..	Vict. ..	Originally from Merino ewes with Lincoln rams ..	366	4-tooth	392	390	14½	16 4½	6½	10 11 8½
Tanner, T., Riverslea, Heretaunga Plains	N.Z. ..	Originally from imported Lincoln rams and ewes ..	364	4-tooth to aged	284½	285	0½	11 14	8	9 10 0½
Blair, D. & W., Fernhill, Wanganui ..	N.Z. ..	From nearly pure-bred Lincoln rams and ewes ..	334	4, 6, & 8 tooth	280½	306	8½	12 12½	8	10 4 4½

SECTION V.

Tanner, T., Riverslea, Heretaunga Plains	N.Z. ..	Originally from imported Lincoln ewes and rams ..	364	4 to 6 tooth & full-mouthed	188½	189	0½	15 12	6½	5 2 4½
Hood, R., Merrang, Hexham ..	Vict. ..	Pure Lincoln, bred from imported stock ..	375	4 years	227	220	15	18 6½	6½	5 19 8½
Rutledge Brothers, Farnham Park	Vict. ..	Bred by exhibitors from imported stock ..	365	2 and 3 years	197½	197	12	16 7½	6	4 18 10½

DIVISION 1. F.—MOHAIR.—SECTION II.

Name of Exhibitor and Station.	Colony.	How Bred.	No. of Days' Growth.	Age.	Description.
Simson, Hon. R., Langi Kal Kal ..	Vict. ..	From does imported from the Cape of Good Hope, and coupled ever since with the Acclimatisation Society's bucks	365	Various ages.	—

EXTRA AND SPECIAL EXHIBITS.

NON-COMPETITIVE.

Armstrong, W., Hexham Park ..	Vict. ..	Station-bred, from Merino ewes and Leicester rams	112	4 months	12 fleeces longwool, lambs', washed.
Armstrong, W., Hexham Park ..	Vict. ..	Station-bred, from Merino ewes and Leicester rams	112	4 months	12 fleeces longwool, lambs', washed.
Greeves, E. G., Borriyalloak ..	Vict. ..	Pure Borriyalloak Merinos ..	380	4-tooth	12 fleeces washed Merino, ewes' wool.
Dowling, V., Lue, Mudgee ..	N.S.W.	From the Merino flock of George IV. ..	380	4-tooth to agd.	—

REPORT OF THE AMERICAN MEDICAL ASSOCIATION ON THE PROGRESS OF MEDICINE IN 1919	
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